

T. Rowe Price QM U.S. Small-Cap Growth Equity Fund

Supplement to Prospectus and Summary Prospectus dated May 1, 2022

Effective April 5, 2023, the fund's name will change from the T. Rowe Price QM U.S. Small-Cap Growth Equity Fund to the T. Rowe Price Integrated U.S. Small-Cap Growth Equity Fund. All references throughout the prospectus and summary prospectus to the QM U.S. Small-Cap Growth Equity Fund are replaced by reference to the Integrated U.S. Small-Cap Growth Equity Fund.

In connection with this change, effective April 5, 2023, the third and fourth paragraphs under "Principal Investment Strategies" on page 2 will be replaced with the following:

The fund's integrated approach to investing combines fundamental analysis and quantitative models to identify stocks that could be included in the portfolio. Stocks are selected based on a variety of metrics such as a company's valuation, profitability, stability, earnings quality, management capital allocation actions, and indicators of near-term appreciation potential.

As part of the stock selection process, the adviser focuses primarily on companies that, in the adviser's opinion, are capable of achieving and sustaining above-average, long-term earnings growth.

At times, the fund may have a significant portion of its assets invested in the same economic sector.

In addition, effective April 5, 2023, the third and fourth paragraphs under "Principal Investment Strategies" on page 10 of the prospectus will be replaced with the following:

The fund's integrated approach to investing combines fundamental analysis and quantitative models to identify stocks that could be included in the portfolio. The fund draws on the adviser's experience in small-cap investing and takes into account both its quantitative and fundamental research capabilities. The portfolio is typically constructed in a "bottom up" manner, an approach that focuses more on evaluations of individual stocks than on analyses of overall economic trends and market cycles. Stocks are selected based on a variety of metrics such as a company's valuation, profitability, stability, earnings quality, management capital allocation actions, and indicators of near-term appreciation potential.

As part of the stock selection process, the adviser focuses primarily on companies that, in the adviser's opinion, are capable of achieving and sustaining above-average, long-term earnings growth. The adviser employs various growth metrics, such as a company's historical and forecasted sales and earnings growth rates.

At times, the fund may have a significant portion of its assets invested in the same economic sector.

The date of this supplement is February 3, 2023.

F120-041 2/3/23



SUMMARY PROSPECTUS

May 1, 2022

PRDSX
TQAIX
TQAAX

T. ROWE PRICE

QM U.S. Small-Cap Growth Equity Fund

Investor Class
I Class
Advisor Class

The Securities and Exchange Commission (SEC) has not approved or disapproved these securities or passed upon the adequacy of this prospectus. Any representation to the contrary is a criminal offense.

Before you invest, you may want to review the fund's prospectus, which contains more information about the fund and its risks. You can find the fund's prospectus, shareholder reports, and other information about the fund online at [troweprice.com/prospectus](https://www.troweprice.com/prospectus). You can also get this information at no cost by calling **1-800-638-5660**, by sending an e-mail request to info@troweprice.com, or by contacting your financial intermediary. This Summary Prospectus incorporates by reference the fund's prospectus, dated May 1, 2022, as amended or supplemented, and Statement of Additional Information, dated May 1, 2022, as amended or supplemented.

Investment Objective(s)

The fund seeks long-term growth of capital by investing primarily in common stocks of small growth companies.

Fees and Expenses

This table describes the fees and expenses that you may pay if you buy, hold, and sell shares of the fund. **You may also incur brokerage commissions and other charges when buying or selling shares of the fund, which are not reflected in the table or example below.**

Fees and Expenses of the Fund

	Investor Class	I Class	Advisor Class
Shareholder fees (fees paid directly from your investment)			
Maximum account fee	\$20 ^a	—	—
Annual fund operating expenses (expenses that you pay each year as a percentage of the value of your investment)			
Management fees	0.63 %	0.63 %	0.63 %
Distribution and service (12b-1) fees	—	—	0.25
Other expenses	0.15	0.01	0.21
Total annual fund operating expenses	0.78	0.64	1.09

^a Subject to certain exceptions, accounts with a balance of less than \$10,000 are charged an annual \$20 fee.

Example This example is intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The example assumes that you invest \$10,000 in the fund for the time periods indicated and then redeem all of your shares at the end of those periods, that your investment has a 5% return each year, and that the fund's operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Investor Class	\$ 80	\$ 249	\$ 433	\$ 966
I Class	65	205	357	798
Advisor Class	111	347	601	1,329

Portfolio Turnover The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when the fund's shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During the most recent fiscal year, the fund's portfolio turnover rate was 28.3% of the average value of its portfolio.

Investments, Risks, and Performance

Principal Investment Strategies

The fund will normally invest at least 80% of its net assets (including any borrowings for investment purposes) in equity securities issued by small-cap U.S. growth companies. The fund expects to invest predominantly in common stocks.

The fund defines small-cap growth companies as those whose market capitalization, at the time of purchase, falls within the range of companies in the MSCI US Small Cap Growth Index, an index designed to capture the securities of small-cap companies exhibiting overall growth style characteristics in the U.S. As of December 31, 2021, the market capitalization range for the MSCI US Small Cap Growth Index was approximately \$290 million to \$33.68 billion. The market capitalization of the companies in the index will change over time, but the index is reconstituted at least quarterly to ensure that larger stocks do not distort the performance and characteristics of the small-cap growth opportunity set. The fund will not sell a stock just because the company has grown to a market capitalization above the range.

The “QM” in the fund’s name reflects the concept that the fund employs a “quantitative management” strategy relying on quantitative models developed by the adviser to help identify stocks that could be included in the portfolio. Based on these models, the portfolio is typically constructed in a “bottom up” manner, an approach that focuses more on evaluations of individual stocks than on analyses of overall economic trends and market cycles. Stocks are ranked on metrics that capture their valuation, profitability, stability, earnings quality, management capital allocation actions, and indicators of near term appreciation potential. As part of the stock selection process, the adviser focuses primarily on companies that, in the adviser’s opinion, are capable of achieving and sustaining above-average, long-term earnings growth. The adviser employs various growth metrics, such as a company’s historical and forecasted sales and earnings growth rates. The portfolio is generally constructed by buying stocks ranked higher by the models and selecting stocks to sell from those that have a lower rank, subject to overall risk controls and desired portfolio characteristics.

The adviser monitors the quantitative models and reviews the security selection results for certain qualitative factors (such as regulatory impacts to a company) and portfolio risk characteristics in the process of portfolio construction. Sector allocations are driven primarily by the quantitative models and security selection. At times, the fund may have a significant portion of its assets invested in the same economic sector. In building the quantitative models and adjusting them as needed, the fund draws on the adviser’s experience in small-cap investing and takes into account both its quantitative and fundamental research capabilities.

Principal Risks

As with any fund, there is no guarantee that the fund will achieve its objective(s). The fund’s share price fluctuates, which means you could lose money by investing in the fund. The principal risks of investing in this fund, which may be even greater in bad or uncertain market conditions, are summarized as follows:

Small-cap stocks Investments in securities issued by small-cap companies are likely to be more volatile than investments in securities issued by larger companies. Small-cap companies

often have less experienced management, narrower product lines, more limited financial resources, and less publicly available information than larger companies. In addition, small-cap companies are typically more sensitive to changes in overall economic conditions and their securities may be difficult to trade.

Quantitative models The fund's reliance on quantitative models and the analysis of specific metrics to construct the fund's portfolio could cause the adviser to be unsuccessful in selecting companies for investment or determining the weighting of particular stocks in the portfolio. The impact of these metrics on a stock's performance can be difficult to predict and stocks that previously possessed certain desirable quantitative characteristics may not continue to demonstrate those same characteristics in the future. In addition, relying on quantitative models entails the risk that the models themselves may be limited or incorrect, the data on which the models rely may be incorrect or incomplete, or the models may not be implemented as intended by the adviser. Any of these factors could cause the fund to underperform funds with similar strategies that do not select stocks based on quantitative analysis.

Growth investing The fund's growth approach to investing could cause it to underperform other stock funds that employ a different investment style. Growth stocks tend to be more volatile than certain other types of stocks, and their prices may fluctuate more dramatically than the overall stock market. A stock with growth characteristics can have sharp price declines due to decreases in current or expected earnings and may lack dividends that can help cushion its share price in a declining market.

Market conditions The value of the fund's investments may decrease, sometimes rapidly or unexpectedly, due to factors affecting an issuer held by the fund, particular industries, or the overall securities markets. A variety of factors can increase the volatility of the fund's holdings and markets generally, including political or regulatory developments, recessions, inflation, rapid interest rate changes, war, military conflict, or acts of terrorism, natural disasters, and outbreaks of infectious illnesses or other widespread public health issues such as the coronavirus pandemic and related governmental and public responses (including sanctions). Certain events may cause instability across global markets, including reduced liquidity and disruptions in trading markets, while some events may affect certain geographic regions, countries, sectors, and industries more significantly than others. Government intervention in markets may impact interest rates, market volatility, and security pricing. These adverse developments may cause broad declines in market value due to short-term market movements or for significantly longer periods during more prolonged market downturns.

Stock investing Stocks generally fluctuate in value more than bonds and may decline significantly over short time periods. There is a chance that stock prices overall will decline because stock markets tend to move in cycles, with periods of rising and falling prices. The value of stocks held by the fund may decline due to general weakness or volatility in the stock markets in which the fund invests or because of factors that affect a particular company or industry.

Sector exposure At times, the fund may have a significant portion of its assets invested in securities of issuers conducting business in a broadly related group of industries within the

same economic sector. Issuers in the same economic sector may be similarly affected by economic or market events, making the fund more vulnerable to unfavorable developments in that economic sector than funds that invest more broadly.

Healthcare sector The profitability of healthcare companies may be adversely affected by extensive government regulations, restrictions on government reimbursement for medical expenses, rising costs of medical products and services, pricing pressure, an increased emphasis on outpatient services, a limited number of products, industry innovation, changes in technologies and other market developments. A number of issuers in the healthcare sector have recently merged or otherwise experienced consolidation. The effects of this trend toward consolidation are unknown and may be far-reaching. Many healthcare companies are heavily dependent on patent protection. The expiration of a company's patents may adversely affect that company's profitability. Many healthcare companies are subject to extensive litigation based on product liability and similar claims. Healthcare companies are subject to competitive forces that may make it difficult to raise prices and, in fact, may result in price discounting. Many new products in the healthcare sector may be subject to regulatory approvals. The process of obtaining such approvals may be long and costly, and such efforts ultimately may be unsuccessful. Companies in the healthcare sector may be thinly capitalized and may be susceptible to product obsolescence.

Active management The fund's overall investment program and holdings selected by the fund's investment adviser may underperform the broad markets, relevant indices, or other funds with similar objectives and investment strategies.

Cybersecurity breaches The fund could be harmed by intentional cyberattacks and other cybersecurity breaches, including unauthorized access to the fund's assets, customer data and confidential shareholder information, or other proprietary information. In addition, a cybersecurity breach could cause one of the fund's service providers or financial intermediaries to suffer unauthorized data access, data corruption, or loss of operational functionality.

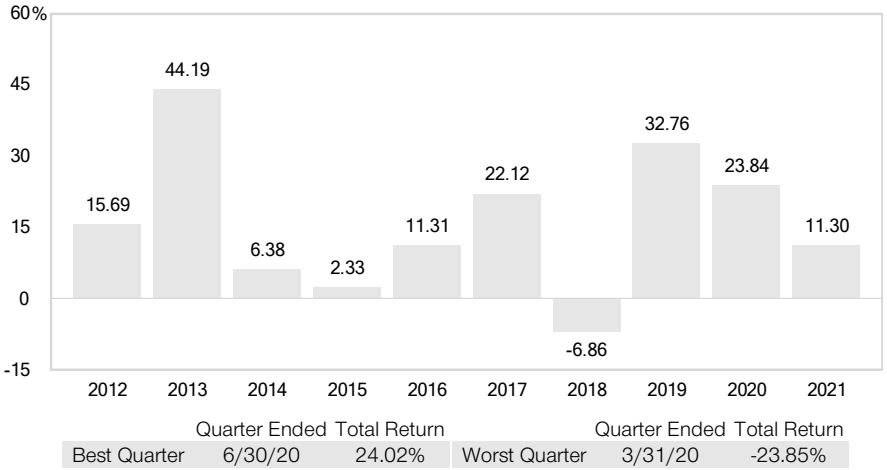
Performance

The following performance information provides some indication of the risks of investing in the fund. The fund's performance information represents only past performance (before and after taxes) and is not necessarily an indication of future results.

The following bar chart illustrates how much returns can differ from year to year by showing calendar year returns and the best and worst calendar quarter returns during those years for the fund's Investor Class. Returns for other share classes vary since they have different expenses.

QM U.S. SMALL-CAP GROWTH EQUITY FUND

Calendar Year Returns



The following table shows the average annual total returns for each class of the fund that has been in operation for at least one full calendar year, and also compares the returns with the returns of a relevant broad-based market index, as well as with the returns of one or more comparative indexes that have investment characteristics similar to those of the fund, if applicable.

In addition, the table shows hypothetical after-tax returns to demonstrate how taxes paid by a shareholder may influence returns. After-tax returns are calculated using the historical highest individual federal marginal income tax rates and do not reflect the impact of state and local taxes. Actual after-tax returns depend on an investor’s tax situation and may differ from those shown. After-tax returns shown are not relevant to investors who hold their fund shares through tax-deferred arrangements, such as a 401(k) account or an IRA. After-tax returns are shown only for the Investor Class and will differ for other share classes.

Average Annual Total Returns

	Periods ended December 31, 2021				Inception date
	1 Year	5 Years	10 Years	Since inception	
Investor Class					06/30/1997
Returns before taxes	11.30 %	15.79 %	15.45 %	—%	
Returns after taxes on distributions	7.75	14.42	14.55	—	
Returns after taxes on distributions and sale of fund shares	8.74	12.52	12.92	—	
I Class					03/23/2016
Returns before taxes	11.47	15.95	—	16.91	
Advisor Class					07/05/2016
Returns before taxes	10.97	15.44	—	16.03	
MSCI US Small Cap Growth Index (reflects no deduction for fees, expenses, or taxes)					
	11.52	16.91	15.63	18.13 ^a	17.86 ^b
Lipper Small-Cap Growth Funds Index					
	11.22	19.06	15.51	19.42 ^a	19.17 ^b

^a Return since 3/23/16.

^b Return since 7/05/16.

Updated performance information is available through troweprice.com.

Management

Investment Adviser T. Rowe Price Associates, Inc. (T. Rowe Price or Price Associates)

Portfolio Manager	Title	Managed Fund Since	Joined Investment Adviser
Sudhir Nanda	Chair of Investment Advisory Committee	2006	2000

Purchase and Sale of Fund Shares

The Investor Class and Advisor Class generally require a \$2,500 minimum initial investment (\$1,000 minimum initial investment if opening an IRA, a custodial account for a minor, or a small business retirement plan account). Additional purchases generally require a \$100 minimum. These investment minimums generally are waived for financial intermediaries and certain employer-sponsored retirement plans submitting orders on behalf of their customers. Advisor Class shares may generally only be purchased through a financial intermediary or retirement plan.

The I Class requires a \$500,000 minimum initial investment per fund per account registration, although the initial investment minimum generally is waived or reduced for financial

intermediaries, eligible retirement plans, certain client accounts for which T. Rowe Price or its affiliate has discretionary investment authority, qualifying directly held accounts, and certain other types of accounts.

For investors holding shares of the fund directly with T. Rowe Price, you may purchase, redeem, or exchange fund shares by mail; by telephone (1-800-225-5132 for IRAs and nonretirement accounts; 1-800-492-7670 for small business retirement plans; and 1-800-638-8790 for institutional investors and financial intermediaries); or, for certain accounts, by accessing your account online through **troweprice.com**.

If you hold shares through a financial intermediary or retirement plan, you must purchase, redeem, and exchange shares of the fund through your intermediary or retirement plan. You should check with your intermediary or retirement plan to determine the investment minimums that apply to your account.

Tax Information

Any dividends or capital gains are declared and paid annually, usually in December. Redemptions or exchanges of fund shares and distributions by the fund, whether or not you reinvest these amounts in additional fund shares, generally may be taxed as ordinary income or capital gains unless you invest through a tax-deferred account (in which case you will be taxed upon withdrawal from such account).

Payments to Broker-Dealers and Other Financial Intermediaries

If you purchase shares of the fund through a broker-dealer or other financial intermediary (such as a bank), the fund and its related companies may pay the intermediary for the sale of fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your salesperson to recommend the fund over another investment. Ask your salesperson or visit your financial intermediary's website for more information.

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