



SUMMARY PROSPECTUS

May 1, 2020

TRGOX
TRLGX

T. ROWE PRICE

Large-Cap Growth Fund

(formerly Institutional Large-Cap Growth Fund)

Investor Class

I Class (previously undesignated
share 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. 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, 2020, as amended or supplemented, and Statement of Additional Information, dated May 1, 2020, as amended or supplemented.

Beginning on January 1, 2021, as permitted by SEC regulations, paper copies of the T. Rowe Price funds' annual and semiannual shareholder reports will no longer be mailed, unless you specifically request them. Instead, shareholder reports will be made available on the funds' website (troweprice.com/prospectus), and you will be notified by mail with a website link to access the reports each time a report is posted to the site.

If you already elected to receive reports electronically, you will not be affected by this change and need not take any action. At any time, shareholders who invest directly in T. Rowe Price funds may generally elect to receive reports or other communications electronically by enrolling at troweprice.com/paperless or, if you are a retirement plan sponsor or invest in the funds through a financial intermediary (such as an investment advisor, broker-dealer, insurance company, or bank), by contacting your representative or your financial intermediary.

You may elect to continue receiving paper copies of future shareholder reports free of charge. To do so, if you invest directly with T. Rowe Price, please call T. Rowe Price as follows: IRA, nonretirement account holders, and institutional investors, **1-800-225-5132**; small business retirement accounts, **1-800-492-7670**. If you are a retirement plan sponsor or invest in the T. Rowe Price funds through a financial intermediary, please contact your representative or financial intermediary, or follow additional instructions if included with this document. Your election to receive paper copies of reports will apply to all funds held in your account with your financial intermediary or, if you invest directly in the T. Rowe Price funds, with T. Rowe Price. Your election can be changed at any time in the future.

Investment Objective(s)

The fund seeks to provide long-term capital appreciation through investments in common stocks of 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 Investor Class or I Class, which are not reflected in the table.

Fees and Expenses of the Fund

	Investor Class	I 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	0.55%	0.55%
Distribution and service (12b-1) fees	—	—
Other expenses	0.18	0.01
Total annual fund operating expenses	0.73	0.56
Fee waiver/expense reimbursement	(0.03) ^b	—
Total annual fund operating expenses after fee waiver/expense reimbursement	0.70^b	0.56

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

^b T. Rowe Price Associates, Inc., has contractually agreed (through April 30, 2022) to waive its fees and/or bear any expenses (excluding interest; expenses related to borrowings, taxes, and brokerage; nonrecurring, extraordinary expenses; and acquired fund fees and expenses) that would cause the Investor Class' ratio of expenses to exceed 0.70% of the class' average daily net assets. The agreement may only be terminated at any time after April 30, 2022, with approval by the fund's Board of Directors. Fees waived and expenses paid under this agreement are subject to reimbursement to T. Rowe Price Associates, Inc., by the fund whenever the Investor Class' expense ratio is below 0.70%. However, no reimbursement will be made more than three years from the date such amounts were initially waived or reimbursed. The fund may only make repayments to T. Rowe Price Associates, Inc., if such repayment does not cause the Investor Class' expense ratio (after the repayment is taken into account) to exceed the lesser of: (1) the expense limitation in place at the time such amounts were waived; or (2) the Investor Class' current expense limitation.

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. The example also assumes that any current expense limitation arrangement remains in place for the period noted in the table above; therefore, the figures have been adjusted to reflect fee waivers or expense reimbursements only in the periods for which the

expense limitation arrangement is expected to continue. 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	\$72	\$227	\$399	\$897
I Class	57	179	313	701

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 26.6% of the average value of its portfolio.

Investments, Risks, and Performance

Principal Investment Strategies

In taking a growth approach to stock selection, the fund will normally invest at least 80% of its net assets (including any borrowings for investment purposes) in the common stocks of large-cap companies. The fund defines a large-cap company as one whose market capitalization is larger than the median market capitalization of companies in the Russell 1000[®] Growth Index, a widely used benchmark of the largest U.S. growth stocks. As of December 31, 2019, the median market capitalization of companies in the Russell 1000[®] Growth Index was approximately \$13.8 billion. The market capitalizations of the companies in the fund’s portfolio and the Russell index change over time; the fund will not automatically sell or cease to purchase stock of a company it already owns just because the company’s market capitalization falls below the median market capitalization of companies in the Russell index. The fund may at times invest significantly in certain sectors, such as the information technology sector.

We generally look for companies with an above-average rate of earnings and cash flow growth and a lucrative niche in the economy that gives them the ability to sustain earnings momentum even during times of slow economic growth. As growth investors, we believe that when a company increases its earnings faster than both inflation and the overall economy, the market will eventually reward it with a higher stock price.

The fund is “nondiversified,” meaning it may invest a greater portion of its assets in a single issuer and own more of the issuer’s voting securities than is permissible for a “diversified” fund.

In pursuing its investment objective(s), the fund has the discretion to deviate from its normal investment criteria. These situations might arise when the adviser believes a security could increase in value for a variety of reasons, including an extraordinary corporate event, a new product introduction or innovation, a favorable competitive development, or a change in management.

While most assets will typically be invested in U.S. common stocks, the fund may invest in foreign stocks in keeping with its objective(s).

The fund may sell securities for a variety of reasons, such as to secure gains, limit losses, or redeploy assets into more promising opportunities.

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 during periods of market disruption or volatility, are summarized as follows:

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 or acts of terrorism, natural disasters, and outbreaks of infectious illnesses or other widespread public health issues. 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. 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.

Nondiversification As a nondiversified fund, the fund has the ability to invest a larger percentage of its assets in the securities of a smaller number of issuers than a diversified fund. As a result, poor performance by a single issuer could adversely affect fund performance more than if the fund were invested in a larger number of issuers. The fund's share price can be expected to fluctuate more than that of a similar fund that is more broadly diversified.

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.

Large-cap stocks Securities issued by large-cap companies tend to be less volatile than securities issued by smaller companies. However, larger companies may not be able to attain the high growth rates of successful smaller companies, especially during strong economic periods, and may be unable to respond as quickly to competitive challenges.

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. Investments in the technology sector are susceptible to intense competition, government regulation, changing consumer preferences, and dependency on patent protection. Investments in the healthcare sector are susceptible to intense competition, regulatory changes and government approvals, product liability, and product obsolescence.

Foreign investing Investments in the securities of non-U.S. issuers may be adversely affected by local, political, social, and economic conditions overseas, greater volatility, reduced liquidity, or decreases in foreign currency values relative to the U.S. dollar. The risks of investing outside the U.S. are heightened for any investments in emerging markets, which are susceptible to greater volatility than investments in developed markets.

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.

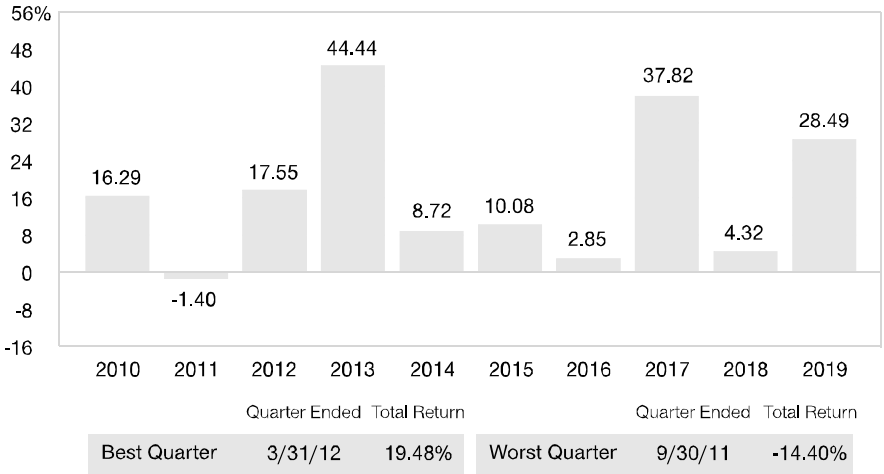
Performance

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 I Class. Returns for other share classes vary since they have different expenses.

LARGE-CAP GROWTH FUND – I CLASS

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 I Class and will differ for other share classes.

Average Annual Total Returns

	Periods ended December 31, 2019			Inception date 10/31/2001
	1 Year	5 Years	10 Years	
I Class				
Returns before taxes	28.49 %	15.90 %	16.04 %	
Returns after taxes on distributions	27.24	14.43	15.07	
Returns after taxes on distributions and sale of fund shares	17.68	12.52	13.39	
Investor Class				05/01/2020
Returns before taxes	—	—	—	
Russell 1000® Growth Index (reflects no deduction for fees, expenses, or taxes)	36.39	14.63	15.22	
Lipper Large-Cap Growth Funds Index	33.56	13.23	13.67	

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
Taymour R. Tamaddon	Chairman of Investment Advisory Committee	2017	2004

Purchase and Sale of Fund Shares

The Investor Class generally requires 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.

The I Class requires a \$1 million minimum initial investment and there is no minimum for additional purchases, although the initial investment minimum generally is waived for financial intermediaries, retirement plans, and certain institutional client accounts for which T. Rowe Price or its affiliate has discretionary investment authority.

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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