UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) May 19, 2025

Vertex Pharmaceuticals Incorporated

(Exact name of registrant as specified in its charter)

Massachusetts

000-19319

(Commission File Number)

04-3039129 (I.R.S. Employer Identification No.)

(State or other jurisdiction of incorporation)

50 Northern Avenue Boston, Massachusetts 02210

(Address of principal executive offices) (Zip Code)

(617) 341-6100

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

$\hfill \square$ Written communications pursuant to Rule 425 under the Sect	urities Act (17 CFR 230.425)	
$\hfill \square$ Soliciting material pursuant to Rule 14a-12 under the Exchange	ge Act (17 CFR 240.14a-12)	
$\hfill \Box$ Pre-commencement communications pursuant to Rule 14d-2((b) under the Exchange Act (17 CFR 240.14d-2	2(b))
$\hfill \Box$ Pre-commencement communications pursuant to Rule 13e-4((c) under the Exchange Act (17 CFR 240.13e-46	(c))
Securities registered pursuant to Section 12(b) of the Act:		
Title of each class	Trading Symbol	Name of each exchange on which registered
Title of each chaos		
Common Stock, \$0.01 Par Value Per Share	VRTX	The Nasdaq Global Select Market
		Ī
Common Stock, \$0.01 Par Value Per Share Indicate by check mark whether the registrant is an emerging growt		Ī
Common Stock, \$0.01 Par Value Per Share Indicate by check mark whether the registrant is an emerging growt Securities Exchange Act of 1934 (§240.12b-2 of this chapter).	th company as defined in Rule 405 of the Secur strant has elected not to use the extended transi	rities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the

Item 8.01 Other Events.

The Board of Directors of Vertex Pharmaceuticals Incorporated (the "Company") has authorized an additional program to repurchase up to \$4.0 billion of the Company's common stock (the "2025 Repurchase Program"). The 2025 Repurchase Program does not have an expiration date and can be discontinued at any time. Under the 2025 Repurchase Program, the Company may repurchase stock from time to time, subject to general business and market conditions and other investment opportunities, on the open market or through privately negotiated transactions, including through Rule 10b5-1 plans.

In 2023, the Company's Board of Directors authorized a program to repurchase up to \$3.0 billion of the Company's common stock (the "2023 Repurchase Program"). As of May 16, 2025, the Company had approximately \$775 million remaining authorization available under the 2023 Repurchase Program. Between the 2025 Repurchase Program and the 2023 Repurchase Program, the Company is authorized to repurchase up to \$4.775 billion of the Company's common stock.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

VERTEX PHARMACEUTICALS INCORPORATED

(Registrant)

Date: May 19, 2025 /s/ Jonathan Biller

Jonathan Biller

Executive Vice President, Chief Legal Officer