

June 23, 2025

Via EDGAR

U.S. Securities and Exchange Commission
Division of Corporation Finance
100 F Street, N.E.
Washington, D.C. 20549
Attn: Doris Stacey Gama

**Re: REGENXBIO Inc. (the "Company")
Registration Statement Filed on Form S-3 (the "Registration Statement")
File No. 333-288053**

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, the Company hereby respectfully requests that the effective date for the above-referenced Registration Statement be accelerated to 4:00 p.m., Eastern Time, on June 25, 2025, or as soon as practicable thereafter.

Please contact Matthew C. Franker of Covington & Burling LLP at (202) 662-5895 or mfranker@cov.com with any questions you may have regarding this request. In addition, please notify Mr. Franker by telephone when this request for acceleration has been granted.

Respectfully,

REGENXBIO Inc.

By: /s/ Patrick Christmas

Name: Patrick Christmas

Title: Executive Vice President,
Chief Legal Officer

cc: Matthew C. Franker, Covington & Burling LLP