

May 3, 2022

Nick Leschly  
President and Chief Executive Officer  
2seventy bio, Inc.  
60 Binney Street  
Cambridge, Massachusetts 02142

Re: 2seventy bio, Inc.  
Registration

Statement on Form S-1

Filed April 28,

2022

File No. 333-264544

Dear Mr. Leschly:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Michael

Davis at 202-551-4385 with any questions.

Sincerely,

Division of Corporation Finance

Office of Life Sciences

cc:

Yasin E. Akbari, Esq.