

**Vector Acquisition Corporation**

One Market Street  
Steuart Tower, 23rd Floor  
San Francisco, CA 94105

July 19, 2021

**VIA EDGAR**

United States Securities and Exchange Commission  
Division of Corporation Finance  
Office of Manufacturing  
100 F Street, N.E.  
Washington, D.C. 20549

Attention: Sergio Chinos

RE: Vector Acquisition Corporation  
Registration Statement on Form S-4, as amended  
File No. 333-257440

Dear Mr. Chinos:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Vector Acquisition Corporation (the "Company") hereby requests acceleration of the effective date of the above referenced Registration Statement to 4:00 p.m., Eastern Time, on July 21, 2021, or as soon thereafter as practicable, or at such other time as the Company or its outside counsel, Kirkland & Ellis LLP, request by telephone that such Registration Statement be declared effective.

Please contact Debbie Yee of Kirkland & Ellis LLP at (713) 836-3630 as soon as the registration statement has been declared effective, or if you have any other questions or concerns regarding this matter.

Sincerely,

/s/ Alex Slusky

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Alex Slusky

Chief Executive Officer