

Biotinylated Recombinant Cynomolgus ACE-2 Protein

Catalog No.: RP02267B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102130864	A0A2K5X283

Tags

C-His&Avi

Synonyms

ACE-2;ACEH;ACE2; ACE2

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
86.5 kDa	110-140 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

ACE2 (Angiotensin I Converting Enzyme 2) is a Protein Coding gene. Diseases associated with ACE2 include Severe Acute Respiratory Syndrome and Neurogenic Hypertension. The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7.

Basic Information

Description

Biotinylated Recombinant Cynomolgus ACE-2 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gln18-Val739) of Cynomolgus ACE2 fused with a His tag and Avi tag at the C-terminal.

Bio-Activity

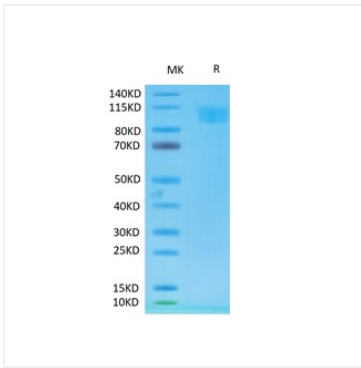
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

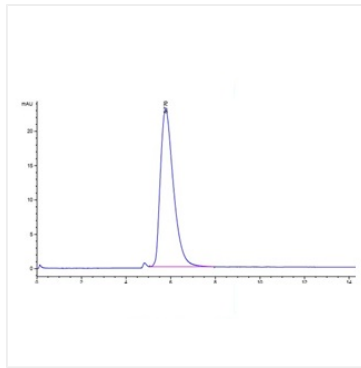
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Biotinylated Recombinant Cyno ACE2 Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%..



The purity of Biotinylated Recombinant Cyno ACE2 Protein is greater than 95% as determined by SEC-HPLC.