

Active Recombinant Rhesus ACE2 protein, hFc-tagged

Cat. No. ACE2-207R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus ACE2 protein(ACI04564.1)(Met1-Val739), fused with hFc tag, was expressed in HEK293.
Species	Rhesus macaque
Source	HEK293
ProteinLength	Met1-Val739
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to cleave a fluorogenic peptide substrate, Mca-YVADAPK (Dnp)-OH. The specific activity is >250 pmol/min/g. 2. Immobilized SARS-CoV-2 (2019-nCoV) Spike Protein (S1+S2 ECD, His tag) at 2µg/mL (100µL/well) can bind Rhesus ACE2-Fc, the EC50 of ACE2 is 30-80 ng/mL.
Molecular Mass	The recombinant Rhesus ACE2 is comprises 963 amino acids and has a calculated molecular mass of 110.7kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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