

# Active Recombinant Cynomolgus monkey ACE2 protein, hFc-tagged

**Cat. No.** ACE2-018C    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Cynomolgus monkey ACE2 protein(A0A2K5X283)(18-741aa), fused with C-terminal hFc tag, was expressed in Mammalian cell.
<b>Species</b>	Cynomolgus
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	18-741aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 5 µg/ml can bind Cynomolgus-ACE2, the EC50 is 5.638-9.496 ng/ml.
<b>Molecular Mass</b>	112.7 kDa
<b>AA Sequence</b>	<p>QSTIEEQAKTFLDKFNHEAEDLFYQSSLASWNYNTNITEENVQNMNNAAGEKWSAFL  KEQSTLAQMYPLQEIQNLTVKLQLQALQQNGSSVLSEDKSKRLNTILNTMSTIYSTGK  VCNPNNPQECLLLDPGLNEIMEKSLDYNERLWAWEGWRSEVVGKQLRPLYEEYVVL  KNEMARANHYKDYGDYWRGNYEVNGVDGYDYNRDQLIEDVERTFEEIKPLYEHLH  AYVRAKLMNAYPSYISPTGCLPAHLLGDMWGRFWTNLYSLTVPGQKPNIDVTDAM  VNQAWNAQRIFKEAEKFFVSVGLPNMTQGFWENSMLTDPGNVQKVVCHPTAWDL</p>

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GKGD FRIIMCTKVTMDDFLTAHHEM GHIQYDMAYAAQPFLLRNGANEGFHEAVGEI  
MSLSAATPKHLKSIGLLSPDFQEDNETEINFLKQALTIVGTL PFTYMLEKWRWMVFK  
GEIPKDQWMKKWWEMKREIVGVVEPVPHDETYCDPASLFHVSNDYSFIRYYTRTLY  
QFQFQEALCQAAKHEGPLHKCDISNSTEAGQKLLNMLKLGKSEPWTLAENVVGAK  
NMNVRPLLNYFEPLFTWLKDQNKNSFVGWSTDWSPYADQSIKVRISLKSALGDKAY  
EWNDNEMYLFRSSVAYAMRTYFLEIKHQ TILFG EEDVRVADLKPRISFNFYVTAPKN  
VSDIIPRTEVEEAIRISRSRINDAFRLNDNSLEFLGIQTTLAPPYQSPVTT

**Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.

**Purity**

Greater than 94% as determined by SDS-PAGE.

**Storage**

Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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