

Active Recombinant Cynomolgus monkey ACE2 protein, hFc-tagged

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

SPECIFICATION

Product Overview	Recombinant Cynomolgus monkey ACE2 protein(A0A2K5X283)(18-741aa), fused with C-terminal hFc tag, was expressed in Mammalian cell.
Species	Cynomolgus
Source	Mammalian Cells
ProteinLength	18-741aa
Form	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.
Bio-activity	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.
Molecular Mass	112.7 kDa
AA Sequence	QSTIEEQAKTFLDKFNHEAEDLFYQSSLASWNYNTNITEENVQNMNNAGEKWSAFL KEQSTLAQMYPLQEIQNLTVKLQLQALQQNGSSVLSEDKSKRLNTILNTMSTIYSTGK VCNPNNPQECLLLDPGLNEIMEKSLDYNERLWAWEGWRSEVGKQLRPLYEEYVVL KNEMARANHYKDYGDYWRGNYEVNGVDGYDYNRDQLIEDVERTFEEIKPLYEHLH AYVRAKLMNAYPSYISPTGCLPAHLLGDMWGRFWTNLYSLTVPFGQKPNIDVTDAM VNQAWNAQRIFKEAEKFFVSVGLPNMTQGFWENSMLTDPGNVQKVCHPTAWDL

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GKGDFRIIMCTKVTMDDFLTAHHEMGHIQYDMAYAAQPFLLRNGANEGFHEAVGEI
 MSLSAATPKHLKSIGLLSPDFQEDNETEINFLLKQALTIVGTLPTTYMLEKWRWMVFK
 GEIPKDQWMKKWWEMKREIVGVVEPVPHDETYCDPASLFHVSNDYSFIRYYTRTLY
 QFQFQEALCQAAKHEGPLHKCDISNSTEAGQKLLNMLKLGKSEPWTALENVVGAK
 NMNVRPLLNYFEPLFTWLKDQNKNSFVGWSTDWSPYADQSIKVRISLKSALGDKAY
 EWNDNEMYLFRRSSVAYAMRTYFLEIKHQITLFGEDVRVADLKPRISFNFYVTAPKN
 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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