

Product Datasheet

Monkey ACE2 protein (orb705341)

Catalog Number	orb705341
Category	Proteins
Description	This Monkey ACE2 protein spans the amino acid sequence from region 18-741aa. Purity: Greater than 93% as determined by SDS-PAGE.
Tag	C-terminal hFc1-tagged
Form/Appearance	Lyophilized powder
Buffer/Preservatives	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Purity	Greater than 93% as determined by SDS-PAGE.
Protein Sequence	QSTIEEQAKTFLDKFNHEAEDLFYQSSLASWNYNTNITEENVQNMNNAGEKWSAFLKEQST LAQMYPLQEIQLNLTVKLQALQQNGSSVLSSEKSKRLNLTLMSTIYSTGKVCNPNPQE CLLLDPGLNEIMEKSLDYNERLWAWEGWRSEVGKQLRPLYEYVVLKNEMARANHYKDYG DYWRGNYEVNGVDGYDYNRDQLIEDVERTFEEIKPLYEHLHAYVRAKLMNAYPSYISPTGCL PAHLLGDMWGRFWTNLYSLTVPGQKPNIDVTDAMVNAQAWNAQRIFKEAEKFFVSVGLPN MTQGFWENSMLTDPGNVQKVVCHPTAWDLGKGFRIIMCTKVTMDDFLTAHHEMGGHIQY DMAYAAQPFLLRNGANEGFHEAVGEIMSLSAATPKHLKSGILLSPDFQEDNETEINFLLKQA LTIVGTLPTFYMLEKWRWMVFKGEIPKDQWMKKWWEMKREIVGVPEVPHDETYCDPASL FHVSNDYSFIRYYTRTLYQFQFQEAALCQAAKHEGPHKCDISNSTEAGQKLLNMLKLGKSEP WTLALENVVGAKNMNVRPLLNYFEPLFTWLKDQNKNSFVGVWSTDWSPYADQSIKVRISLK SALGDKAYEWNENEMYLFRSSVAYAMRTYFLEIKHQITLFGCEEDVRVADLKPRISFNFYVTA PKNVSDIIPRTEVEEAIRISRSRINDAFRLNDNSLEFLGIQTTLAPPYQSPVTT
Protein Length	Partial
UniProt ID	A0A2K5X283
MW	112.7 kDa

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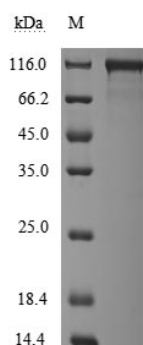
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Application notes	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (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.
Endotoxins	Less than 1.0 EU/μg as determined by LAL method.
Source	Mammalian cell
Biological Origin	Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)
Biological 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.
Expression Region	18-741aa
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Note	For research use only
Expiration Date	6 months from date of receipt.



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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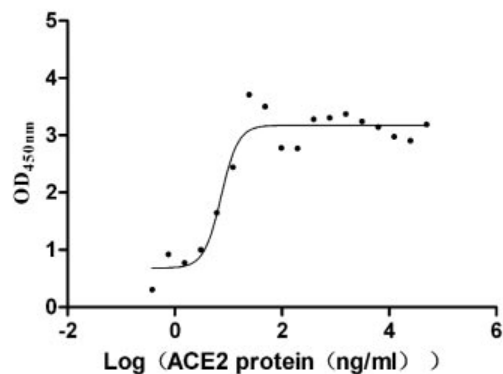
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Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 5 µg/ml can bind Cynomolgus-ACE2, the EC₅₀ is 5.638-9.496 ng/ml.

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