



Recombinant Paguma larvata Angiotensin-converting enzyme 2 (ACE2), partial (Active)

Product Code	CSB-MP684964PAL
Abbreviation	Recombinant Paguma larvata ACE2 protein, partial (Active)
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.
Uniprot No.	Q56NL1
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Paguma larvata (Masked palm civet)
Biological Activity	①Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV S-RBD (CSB-MP348663HQE) at 2 μg/ml can bind Paguma larvata ACE2, the EC ₅₀ is 5.056-7.559 ng/ml.②Recombinant Paguma larvata ACE2 protein (CSB-MP684964PAL) enzyme activity is measured by its ability to cleave fluorogenic peptide substrate(Mca-Ala-Pro-Lys(Dnp)-OH), The Km is 22.84 μM.
Purity	≥ 90% as determined by SDS-PAGE. ≥ 90% as determined by SEC-HPLC.
Sequence	QSTTEELAKTFLETFNYEAQELSYQSSVASWNYNTNITDENAKNMNEAGAKW SAYYEEQSKLAQTYPLAEIQDAKIKRQLQALQQSGSSVLSADKSQRLNTILNAM STIYSTGKACNPNNPQECLLLEPGLDNIMENSKDYNERLWAWEGWRAEVBGKQ LRPLYEEYVALKNEMARANNYEDYGDYWRGDYEEEWTTGGYNYSRNQLIQDV EDTFEQIKPLYQHLHAYVRAKLMDTYPSTRISRTGCLPAHLLGDMWGRFWTNLY PLTVPFQKPNIDVTDAMVNVQNW DARRIFKEAEKFFVSVGLPNMTQGFWENS MLTEPGDGRKVVCHPTAWDLGKGD FRIKMCTKVTMDDFLTAHHEMGHIQYD MAYAAQPFLLRNGANEGFHEAVGEIMSLSAATPNHLKTIGLLSPAFSEDNETEI NFLKQALTIVGTLPFTYMLEKWRWMVFKGAIPKEQWMQKWWEMKRNVGGV EPVPHDETYCDPASLFHVANDYSFIRYYTRTIYQFQFQEQALCQIAKHEGPHK DISNSTEAGKLLLEMLSLGRSEPWTLALERVVGAKNMNVTPLLNYFEPLFTWL KEQNRNSFVGWDTDWRPYS DQSIKVRISLKSALGEKAYEWN DNEMYLFRSSI AYAMREYFSKVKNQTIPFVEDNVWVSDLKPRISFNFFVTFSSNNVSDVIPRSEVE DAIRMSRSRINDAFRLDDNSLEFLGIEPTLSPPPYRPPVT
Source	Mammalian cell
Target Names	ACE2
Expression Region	18-740aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

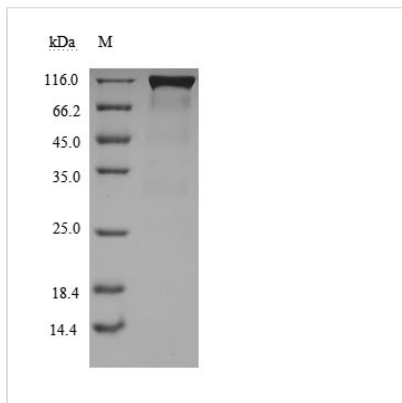


Tag Info C-terminal hFc1-tagged

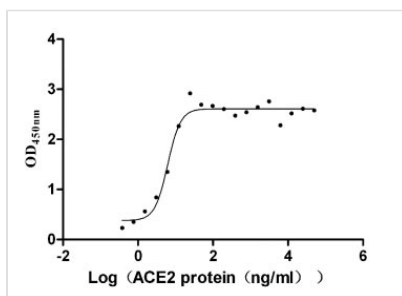
Mol. Weight 112.7

Protein Length Partial

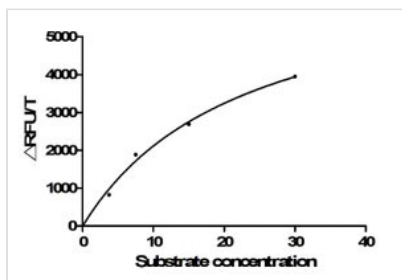
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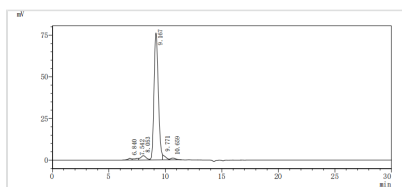
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV S-RBD (CSB-MP348663HQE) at 2 µg/ml can bind Paguma larvata ACE2, the EC₅₀ is 5.056-7.559 ng/ml.



Activity
Recombinant Paguma larvata ACE2 protein (CSB-MP684964PAL) enzyme activity is Activity Measured by its ability to cleave fluorogenic peptide substrate(Mca-Ala-Pro-Lys(Dnp)-OH), The Km is 22.84 µM.



The purity of ACE2 was greater than 90% as determined by SEC-HPLC

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

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.

Shelf Life 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.