

Angiotensin-converting enzyme 2 (ACE2) Active Protein | ACE2 active protein

Recombinant Human Angiotensin-converting enzyme 2 (ACE2), partial

CATALOG #
AAA244035

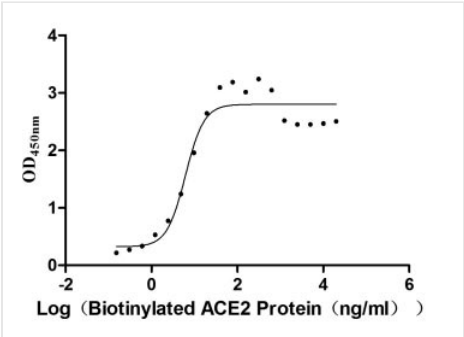
HOST
Mammalian Cell

PRODUCT SYNONYMS

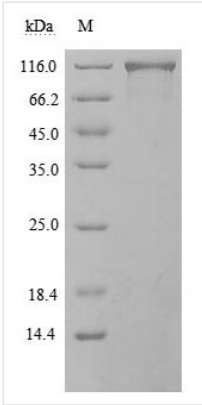
Angiotensin-converting enzyme 2 (ACE2); Recombinant Human Angiotensin-converting enzyme 2 (ACE2); partial; Angiotensin-converting enzyme 2; ACE2 active protein

PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH8.0 Lyophilized or liquid (Format to be determined during the manufa
Sequence Positions	18-740, Partial
Sequence	QSTIEEQAKT FLDKFNHEAE DLFYQSSLAS WNYNTNITEE NVQNMNAGD KWSAFLKEQS TLAQMYPLQE IQNLTVKLQL QALQQNGSSV LSEDKSKRLN TILNTMSTIY STGKVCNPDN PQECLLLEPG LNEIMANSLD YNERLWAWES WRSEVGKQLR PLYEEYVVLK NEMARANHYE DYGDYWRGDY EVNGVDGYDY SRGQLIEDVE HTFEEIKPLY EHLHAYVRAK LMNAYPSYIS PIGCLPAHLL GDMWGRFWTN LYSLTVPFQG KPNIDVTDAM VDQAWDAQRI FKEAEKFFVS VGLPNMTQGF WENSMITDPG NVQKAVCHPT AWDLGKGDGR ILMCTKVITMD DFLTAHHEMG HIQYDMAYAA QPFLLRNGAN EGFHEAVGEI MSLSAATPKH LKSGILLSPD FQEDNETEIN FLKQKALTIV GTLPFTYMLE KWRWMVFKGE IPKDQWMKKW WEMKREIVGV VEPVPHDETY CDPASLFHVS NDYSFIRYYT RTLYQFQFQE ALCQAAKHEG PLHKCDISNS TEAGQKLFNM LRLGKSEPWT LALENNVVGAK NMNVRPLLNY FEPLFTWLKD QNKNSFVGWS TDWSPYADQS IKVRISLKSA LGDKAYEWND NEMYLFRRSSV AYAMRQYFLK VKNQMILFGE EDVRVANLKP RISFNFFVTA PKNVSDIIPR TEVEKAIRMS RSRINDAFRL NDNSLEFLGI QPTLGPPNPQ PVS
Species	Human
Endotoxin	Less than 1.0EU/ug as determined by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 2ug/ml can bind Biotinylated human ACE2, the EC50 is 4.599-8.322ng/ml.
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 0.1-1.0mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.



Bioactivity



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

NCBI AND UNIPROT INFORMATION

NCBI GI #	11225609
NCBI GeneID	59272
NCBI Accession #	NP_068576.1
NCBI GenBank Nucleotide #	NM_021804.2
UniProt Accession #	Q9BYF1; Q6UWP0; Q86WT0; Q9NRA7; Q9UFZ6; C7ECU1
Molecular Weight	92,463 Da
NCBI Official Full Name	angiotensin-converting enzyme 2
NCBI Official Synonym Full Names	angiotensin I converting enzyme 2
NCBI Official Symbol	ACE2
NCBI Official Synonym Symbols	ACEH
NCBI Protein Information	angiotensin-converting enzyme 2; peptidyl-dipeptidase A; metalloprotease MPROT15; ACE-related carboxypeptidase; angiotensin-converting enzyme homolog; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2
UniProt Protein Name	Angiotensin-converting enzyme 2
UniProt Gene Name	ACE2
UniProt Synonym Gene Names	ACEH
UniProt Entry Name	ACE2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.