

Angiotensin-Converting Enzyme 2/ACE-2 Active Protein | ACE-2 active protein

Recombinant Rhesus Macaque Angiotensin-Converting Enzyme 2/ACE-2 (C-10His)

CATALOG #
AAA177978

HOST
Human Cells

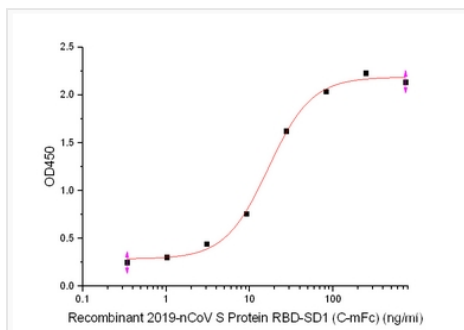
PRODUCT SYNONYMS

Angiotensin-Converting Enzyme 2/ACE-2; Recombinant Rhesus Macaque Angiotensin-Converting Enzyme 2/ACE-2 (C-10His); Angiotensin-Converting Enzyme 2; ACE-Related Carboxypeptidase; Angiotensin-Converting Enzyme Homolog; ACEH; Metalloprotease MPROT15; ACE2; ACE-2 active protein

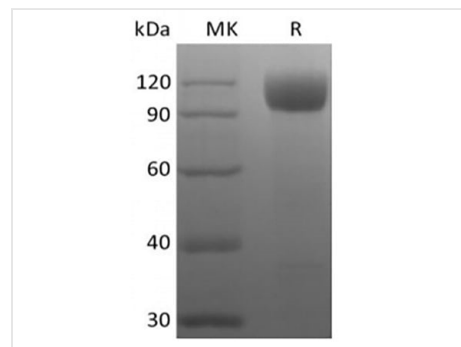
PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE
Form/Format	Supplied as a 0.2um filtered solution of 25mM Tris-HCl, 150mM NaCl, 1mM ZnCl2, pH7.5.
Sequence	Gln18-Val739
Species	Rhesus Macaque
Tag	C-10His
Endotoxin	<1.0EU per ug as determined by the LAL method.
Protein Construction	Recombinant Rhesus Macaque Angiotensin-Converting Enzyme 2 is produced by our Mammalian expression system and the target gene encoding Gln18-Val739 is expressed with a 10His tag at the C-terminus.
Activity	Immobilized Rhesus Macaque ACE-2-His at 5ug/ml (100ul/well) can bind 2019-nCoV S Protein RBD-SD1-mFc . The ED50 of Recombinant 2019-nCoV S Protein RBD-SD1-mFc is 16.8ng/ml.
Preparation and Storage	Store at < -20 degree C, stable for 6 months. Please minimize freeze-thaw cycles. This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs.Upon receipt, store it immediately at<-20 degree C.

IMAGES



Bioactivity



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ACE-2 active protein	Angiotensin-Converting Enzyme 2 (ACE-2) is an integral membrane protein and a zinc metalloprotease of the ACE family, the ACE family includes somatic and germinal ACE. ACE-2 cleaves angiotensins I and II as a carboxypeptidase, ACE-2 converts angiotensin I to angiotensin 1-9, and angiotensin II to angiotensin 1-7. ACE-2 is also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. ACE-2 can be high expressed in testis, kidney and heart, in colon, small intestine and ovary at moderate levels. Captopril and lisinopril as the classical ACE inhibitor don't inhibit ACE-2 activity. ACE-2 may play an important role in regulating the heart function.
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NCBI AND UNIPROT INFORMATION

Molecular Weight	Mol. Mass: 85.1kDa AP Mol. Mass: 90-120kDa
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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.

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Online datasheet: <https://www.aaabiotech.com/human-active-protein/angiotensin-converting-enzyme-2-ace-2/177978>