

Recombinant Human ACE2 protein, His/Avi-tagged

Cat. No. ACE2-229H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACE2 protein (Gln18- Ser740) was expressed from mammalian with a His tag and Avi at the C-terminal.
Species	Human
Source	Mammalian Cells
ProteinLength	723
Description	ACE2 (Angiotensin I Converting Enzyme 2) is a Protein Coding gene. Diseases associated with ACE2 include Severe Acute Respiratory Syndrome and Neurogenic Hypertension. The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7.
Form	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 86.5 kDa. Due to glycosylation, the protein migrates to 95-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE; >95% as determined by HPLC.

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Storage	The product should be stored at -70 centigrade. Please do not repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Warning	For Research Use Only.

GENE INFORMATION

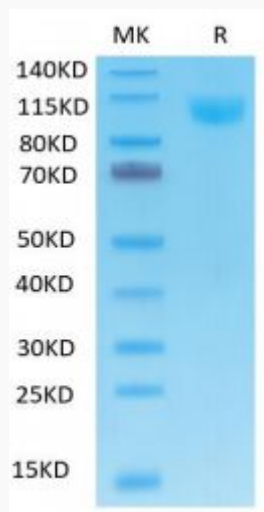
Gene Name	ACE2
Official Symbol	ACE2
Synonyms	ACEH
Gene ID	59272
mRNA Refseq	NM_021804.3
Protein Refseq	NP_068576.1
MIM	300335
UniProt ID	Q9BYF1

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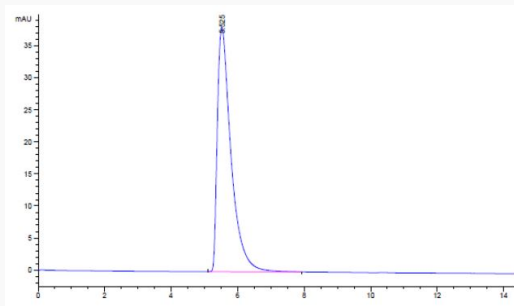
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Tris-Bis PAGE of ACE2-229H



Recombinant human ACE2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

HPLC Data of ACE2- 229H



The purity of human ACE2 is greater than 95% as determined by SEC-HPLC.

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