

## Active Recombinant Human ACE2 protein, mFc-tagged

Cat. No. ACE2-185H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ACE2 protein(Gln 18 - Ser 740), fused with mFc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gln 18 - Ser 740
<b>Form</b>	Supplied as 0.2 µm filtered solution in 50 mM Tris, 150 mM NaCl, Arginine, pH7.5 with glycerol as protectant.
<b>Bio-activity</b>	Immobilized SARS-CoV-2 S protein RBD, His Tag at 1 µg/mL (100 µL/well) can bind Human ACE2, Mouse IgG1 Fc Tag with a linear range of 0.4-6 ng/mL. Immobilized Human ACE2, Mouse IgG1 Fc Tag at 1 µg/mL (100 µL/well) can bind SARS-CoV-2 S1 protein, Fc Tag with a linear range of 1-20 ng/mL.
<b>Molecular Mass</b>	This protein carries a mouse IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 109.8 kDa. The protein migrates as 125-150 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.

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**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name**

ACE2 angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 [ Homo sapiens ]

**Official Symbol**

ACE2

**Synonyms**

ACE2; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2; angiotensin-converting enzyme 2; metalloprotease MPROT15; ACE-related carboxypeptidase; angiotensin I converting enzyme 2; angiotensin-converting enzyme homolog; ACEH;

**Gene ID**

59272

**mRNA Refseq**

NM\_021804

**Protein Refseq**

NP\_068576

**MIM**

300335

**UniProt ID**

Q9BYF1

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