

Active Recombinant Human ACE2 protein, mFc-tagged

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

SPECIFICATION

Product Overview	Recombinant Human ACE2 protein(Gln 18 - Ser 740), fused with mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gln 18 - Ser 740
Form	Supplied as 0.2 µm filtered solution in 50 mM Tris, 150 mM NaCl, Arginine, pH7.5 with glycerol as protectant.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>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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