

Recombinant Human ACE2 protein(Met1-Ser740), His-tagged

Cat. No. ACE2-0465H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACE2 (NP_068576.1) (Met1-Ser740) was expressed in Insect Cells with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Ser740
Form	Lyophilized from sterile 20mM PBS, 300mM NaCl, 10% glycerol, pH 7.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized 2019-nCoV Spike Protein (RBD, mFc Tag) at 2µg/mL (100µL/well) can bind human ACE2 protein, the EC50 of human ACE2 protein is 10-35ng/mL.
Molecular Mass	The recombinant human ACE2 consists of 734 amino acids and predicts a molecular mass of 85.1 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 93 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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