


Recombinant Human ACE2 protein, His Tag

Cat# P0051- 10 µg | P0052 – 50 µg

Storage at -20°C or below.

INFORMATION

Product Name	Recombinant Human ACE2 protein, His Tag
Product Type	Recombinant Protein
Cat No.	P0051 -10 µg P0052 50 µg
Size	10 µg 50 µg
Description	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, and angiotensin II to angiotensin. ACE-2 is also able to hydrolyze apelin and dynorphin 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. The recombinant Human ACE2 protein, His Tag consists of 734 amino acids and predicts a molecular mass of 85.1 kDa.
Expression system	HEK293 Cells
Source	A DNA sequence encoding the human ACE2 (NP_068576.1) (Met1-Ser740) was expressed with His tags at the N-terminus and C-terminus.
Appearance	lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4.
Purity	>95% as determined by SDS-PAGE
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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.
Activity	Measured by its binding ability in a functional ELISA. Immobilized 2019-nCoV Spike Protein (RBD, mFc Tag) at 2 µg/mL (100 µL/well) can bind human ACE2 protein (His tag), the EC50 of ACE2 is 10-35 ng/mL.
Image	

PRODUCT USE LIMITATION

These products are intended for research use only.