

Recombinant Human ACE2 Protein (Avi-His Tag) (Active)

Catalog No: RPES0029

Category: Recombinant Protein

Bio-Activity: Immobilized 2019-nCoV S1 Protein-Fc(Cat# RPES0016) at 2 μ g/ml (100 μ l/well) can bind Biotinylated Human ACE-2-Avi-His (Cat#RPES0029). The ED50 of Biotinylated Human ACE-2-Avi-His (Cat#RPES0029) is 0.17 ug/ml.

Sequence Information

Species: Human

Sequence: Gln18-Ser740

Accession: Q9BYF1

Tag: C-Avi-6His

Product Information

Synonyms: Angiotensin-Converting Enzyme 2; ACE-Related Carboxypeptidase; Angiotensin Converting Enzyme Homolog; ACEH; Metalloprotease MPROT15; ACE2

Source: Human Cells

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per μ g as determined by the LAL method.

Formulation: Supplied as a 0.2 μ M filtered solution of 20mM Tris-HCl, 300mM NaCl, 1mM ZnCl₂, 10% Glycerol, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

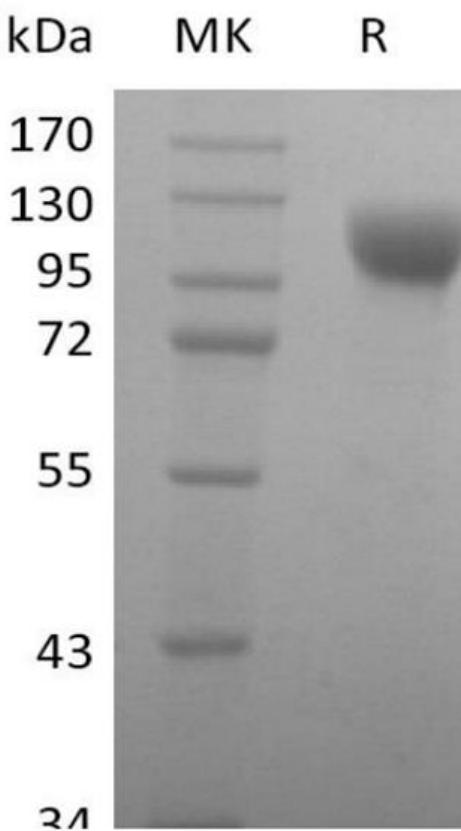
Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt; store it immediately at <-20°C.

Background

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 1-9, and angiotensin II to angiotensin 1-7. ACE-2 is also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. ACE-2 can be highly 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.

Image



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