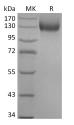
## **Recombinant Human ACE2 Protein (mFc Tag)**

Catalog Number: PKSR030494



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Synonyms	Angiotensin-Converting Enzyme 2;ACE-Related Carboxypeptidase;Angiotensin- Converting Enzyme Homolog;ACEH;Metalloprotease MPROT15;ACE2
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln18-Ser740
Accession	Q9BYF1
Calculated Molecular Weight	110 kDa
Observed molecular weight	110-140 kDa
Tag	C-mFc
Bioactivity	Immobilized 2019-nCoV S1 Protein-Fc(Cat#PKSR030480) at 10µg/ml (100 µl/well) can bind Human ACE-2-mFc(Cat#PKSR030494). The ED50 of Recombinant Human ACE-2-mFc(Cat#PKSR030494) is 0.58 ug/ml.
Properties	
Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
Storage	Store at $< -20^{\circ}$ 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 $< -20^{\circ}$ C.
Formulation	Supplied as a 0.2 $\mu$ m filtered solution of 20mM Tris-HCl, 300mM NaCl, 1mM ZnCl <sub>2</sub> , 10% Glycerol, pH 7.4.
Reconstitution	Not Applicable
Data	



> 95 % as determined by reducing SDS-PAGE.

## 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 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.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com