

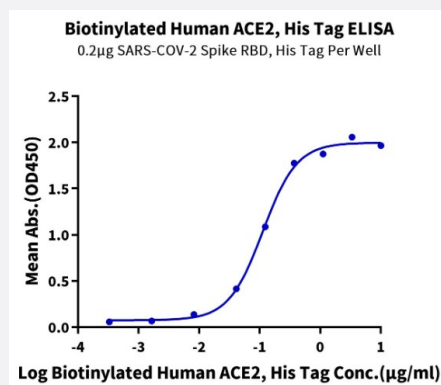
Bioactive

HuPro®

ACE2 (Human) Recombinant Protein (Biotin)

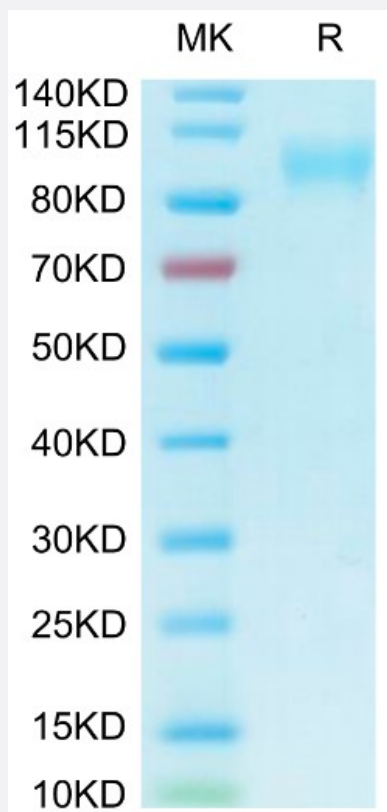
Catalog # P10341 Size 100 ug

Applications



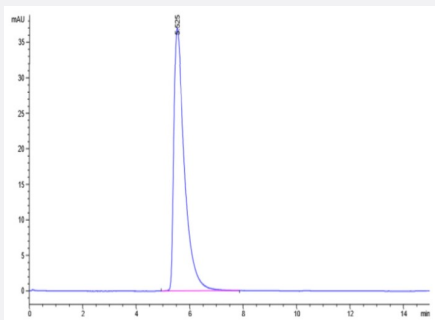
Enzyme-linked Immunoabsorbent Assay

Immobilized SARS-COV-2 Spike RBD, His Tag at 2 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Human ACE2, His Tag with the EC₅₀ of 0.11 ug/mL determined by ELISA.



Tris-Bis PAGE

Biotinylated Human ACE2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



SEC-HPLC

The purity of Biotinylated human ACE2 is greater than 95% as determined by SEC-HPLC.

Specification

Product Description	Human ACE2 (Q9BYF1-1, Gln18-Ser740) partial recombinant protein with His-Avi tag at the C-Terminus expressed in HEK293 cells.
Sequence	Gln18-Ser740
Host	Human
Theoretical MW (kDa)	86.5
Reactivity	Human
Form	Lyophilized
Conjugation	Biotin
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by Tris-Bis PAGE > 95% by HPLC
Endotoxin Level	< 0.1 EU per 1 ug as determined by the LAL method.
Activity	The EC ₅₀ was 0.11 ug/mL, measured by ELISA at 2 ug/mL.
Recommend Usage	Biological Activity ELISA Tris-Bis PAGE SEC-HPLC The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.22 um filtered solution in PBS, pH 7.4. (8% trehalose).
Storage Instruction	Store at -20°C for 12 months. After reconstitution, store at 4°C for 2-7 days, or store at -80°C for 3-6 months. Aliquot to avoid repeated freezing and thawing.
Note	Please use within one month after protein reconstitution.

Applications

- Enzyme-linked Immunoabsorbent Assay

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- Functional Study

Gene Info — ACE2

Entrez GeneID [59272](#)

Protein Accession# [Q9BYF1-1](#)

Gene Name ACE2

Gene Alias ACEH, DKFZp434A014

Gene Description angiotensin I converting enzyme (peptidyl-dipeptidase A) 2

Omim ID [300335](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxypeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS and HCoV-NL63. [provided by RefSeq]

Other Designations ACE-related carboxypeptidase|OTTHUMP00000022963|angiotensin I converting enzyme 2|angiotensin converting enzyme-like protein

Pathway

- [Renin-angiotensin system](#)

Disease

- [Arrhythmias](#)

- [Atrial Fibrillation](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Hypotension](#)
- [Intracranial Aneurysm](#)
- [Malaria](#)
- [Metabolic Syndrome X](#)
- [Sarcoidosis](#)