

ACE2 Recombinant Protein

ACE2 (18-740) Protein

CATALOG # AAA73165	HOST CHO Cells
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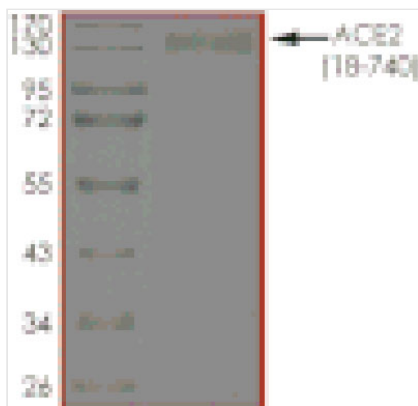
PRODUCT SYNONYMS

ACE2; ACE2 (18-740) Protein; ACE-related carboxypeptidase; ACE2 recombinant protein

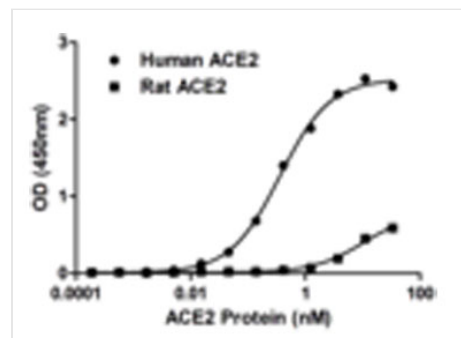
PRODUCT SPECIFICATIONS

Host	CHO Cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 90mM glycine
Species	Rat
Tag	Fc
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at the recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Purity Data



Specific Activity

ADDITIONAL INFORMATION

Related Product Information for ACE2 recombinant protein	Recombinant Rat ACE2 Protein (18-740) was expressed in CHO cells using a C-terminal Fc tag. The gene accession number is NM_001012006 Overview: The angiotensin converting enzyme 2 (ACE2) belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases (1). ACE2 cleaves the angiotensin I and angiotensin II to counterbalancing ACE activity in the regulation of renin angiotensin system (RAS) (1). ACE2 also has the role in regulation of cardiovascular, renal and reproductive systems physiologically (1). In addition, ACE2 is a functional receptor for the spike glycoprotein (S) of SARS-CoV, HCoV-NL63, and SARS-CoV-2 (2), which causes the pandemic of the respiratory diseases (COVID-19) (3).
Product Categories/Family for ACE2 recombinant protein	Proteins ; COVID-19 Proteins

References

1. Imai Y, et al: Angiotensin-converting enzyme 2 (ACE2) in disease pathogenesis. Circ J. 2007, 74(3):405-10.
2. Lan J, et al: Crystal structure of the 2019-nCov spike receptor-binding domain bound with the ACE2 receptor. bioRxiv. doi: <https://doi.org/10.1101/2020.02.19.956235>.
3. Zhou P, et al: A pneumonia outbreak associated with a new corona virus of probable bat origin. Nature. 2020, 579:270-89.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_001012006](#)

Molecular Weight

150kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ace2-recombinant-protein-cho-cells/73165>