

ACE2 Recombinant Protein

ACE2 (18-739) Protein

CATALOG # AAA73166	HOST CHO Cells
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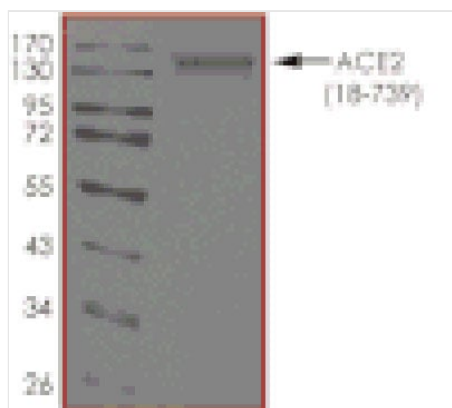
PRODUCT SYNONYMS

ACE2; ACE2 (18-739) Protein; ACEH; Angiotensin I converting enzyme 2; ACE2 recombinant protein

PRODUCT SPECIFICATIONS

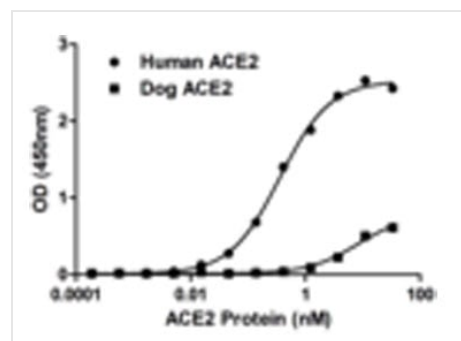
Host	CHO Cells
Purity/Purification	> 90%
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 90mM glycine
Species	Dog
Tag	Fc
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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

The purity of Dog ACE2 (18-739) Protein was determined to be >90% by densitometry.
approx. MW 150kDa



Specific Activity

Binding ability measured in a functional ELISA. Unlike human ACE2, Dog ACE2 (18-739) Protein (AAA73166) does not bind well to immobilized 2019-n-Cov Spike protein RBD.

ADDITIONAL INFORMATION

Related Product Information for ACE2 recombinant protein

Recombinant Dog ACE2 Protein (18-739) was expressed in CHO cells using a C-terminal Fc tag. The gene accession number is XM_014111329.

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

Molecular Weight	150kDa
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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://stage.aaabiotech.com/ace2-recombinant-protein-cho-cells/73166>