

# Recombinant Human ACE2 protein ab151852

[12 References](#) [1 Image](#)

### Description

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**Product name** Recombinant Human ACE2 protein

**Purity** > 95 % SDS-PAGE.

**Endotoxin level** < 1.000 Eu/ $\mu$ g

**Expression system** HEK 293 cells

**Accession** [Q9BYF1](#)

**Protein length** Protein fragment

**Animal free** No

**Nature** Recombinant

**Species** Human

### Sequence

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QSTIEQAKTFLDKFNHEAEDLFYQSSLASWNYNTNITEEN
VQNMNAGD
KWSAFLKEQSTLAQMYPLQEIQNLTVKLQLQALQQNGSS
VLSEDKSKRLN
TILNTMSTIYSTGKVCNPDNPQECLLLEPGLNEIMANSLDYN
ERLWAWES
WRSEVGKQLRPLYEEYVVLKNEMARANHYEDYGDYWRG
DYEVNGVDGYDY
SRGQLIEDVEHTFEEIKPLYEHLHAYVRAKLMNAYPSYISPI
GCLPAHLL
GDMWGRFWTNLYSLTVPFQKPNIDVTDAMVDQAWDAQ
RIFKEAEKFFVS
VGLPNMTQGFWENSMLTDPGNVQKAVCHPTAWDLGKG
DFRILMCTKV TMD
DFLTAHHEMIGHIQYDMAYAAQPFLLRNGANEGFHEAVGEI
MSLSAATPKH
LKSIGLLSPDFQEDNETEINFLKQALTVGTL PFTYMLEKW
RWMVFKGE
IPKDQWMKKWWEMKREIVGVPEVPHDETYCDPASLFH
VSN DYSFIRYYT
RTLYQFQFQEALCQAAKHEGPHKCDISNSTEAGQKLFN
MLRLGKSEPWT
LALENVVGAKNMNVRPLLNYFEPLFTWLKDQNKNSFVGW
STDWSPYADQS
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IKVRISLKSALGDKAYEWNENMYLFRSSVAYAMRQYFLK  
VKNQMILFGE  
EDVRVANLKPRI SFNFFVTAPKNVSDIIPRTEVEKAIRMSRS  
RINDAFRL NDNSLEFLGIQPTLGPPNQPPVSDHHHHHH

<b>Predicted molecular weight</b>	85 kDa including tags
<b>Amino acids</b>	18 to 740
<b>Tags</b>	His tag C-Terminus

## Specifications

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Our **Abpromise guarantee** covers the use of **ab151852** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE HPLC
<b>Form</b>	Liquid

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.4 Constituents: 0.001% Zinc chloride, 0.32% Tris HCl, 10% Glycerol, 0.88% Sodium chloride
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## General Info

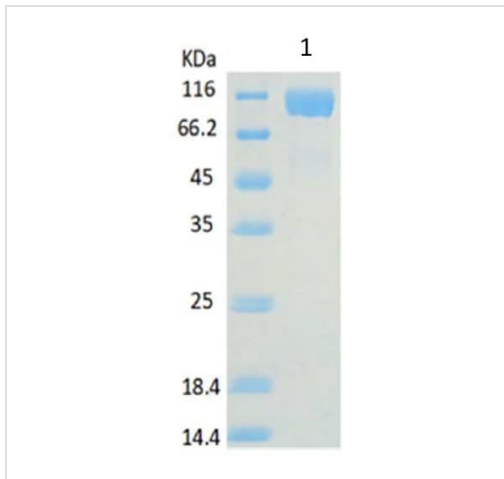
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<b>Function</b>	Carboxypeptidase which converts angiotensin I to angiotensin 1-9, a peptide of unknown function, and angiotensin II to angiotensin 1-7, a vasodilator. Also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. May be an important regulator of heart function. In case of human coronaviruses SARS and HCoV-NL63 infections, serve as functional receptor for the spike glycoprotein of both coronaviruses.
<b>Tissue specificity</b>	Expressed in endothelial cells from small and large arteries, and in arterial smooth muscle cells. Expressed in lung alveolar epithelial cells, enterocytes of the small intestine, Leydig cells and Sertoli cells (at protein level). Expressed in heart, kidney, testis, and gastrointestinal system.
<b>Sequence similarities</b>	Belongs to the peptidase M2 family.
<b>Post-translational modifications</b>	N-glycosylation on Asn-90 may limit SARS infectivity.
<b>Cellular localization</b>	Secreted and Cell membrane.

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## Images

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Recombinant Human ACE2 protein (ab151852) + Human ACE-2 Protein (C-His), reducing condition

Western blot - Recombinant Human ACE2 protein (ab151852)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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