

## Recombinant Human ACE2 Protein (ECD), His-tagged(N-ter)

Cat. No. ACE2-03H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ACE2 Protein (ECD) with His tag (N-ter) was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gln18-Ser740
<b>Description</b>	<p>The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases 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, Jul 2008]</p>
<b>Form</b>	Powder
<b>Endotoxin</b>	Endotoxin level is less than 0.1 EU/ $\mu$ g of the protein, as determined by the LAL test.
<b>Purity</b>	> 90% (by SDS-PAGE)
<b>Applications</b>	Binding, SDS-PAGE

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<b>Notes</b>	For laboratory research only, not for drug, diagnostic or other use.
<b>Storage</b>	Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
<b>Storage Buffer</b>	PBS (pH 7.4)
<b>Reconstitution</b>	Reconstitute to a concentration of 0.1-0.5 mg/ml in sterile distilled water.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ACE2 angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">ACE2</a>
<b>Synonyms</b>	ACE2; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2; angiotensin-converting enzyme 2; metalloprotease MPROT15; ACE-related carboxypeptidase; angiotensin I converting enzyme 2; angiotensin-converting enzyme homolog; ACEH;
<b>Gene ID</b>	<a href="#">59272</a>
<b>mRNA Refseq</b>	<a href="#">NM_021804</a>
<b>Protein Refseq</b>	<a href="#">NP_068576</a>
<b>MIM</b>	<a href="#">300335</a>
<b>UniProt ID</b>	<a href="#">Q9BYF1</a>

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**SDS-PAGE**



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