

## Recombinant Mouse ACE2 Protein, His-tagged

**Cat. No.** ACE2-35M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Angiotensin-Converting Enzyme 2 is produced by our Mammalian expression system and the target gene encoding Gln18-Thr740 is expressed with a 10His tag at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	Human Cells
<b>Protein Length</b>	18-740 a.a.
<b>Description</b>	Angiotensin-Converting Enzyme 2 (ACE-2) is an integral membrane protein and a zinc metalloprotease of the ACE family, the ACE family includes somatic and germinal ACE. ACE-2 cleaves angiotensins I and II as a carboxypeptidase, ACE-2 converts angiotensin I to angiotensin 1-9, and angiotensin II to angiotensin 1-7. ACE-2 is also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. ACE-2 can be highly expressed in testis, kidney and heart, in colon, small intestine and ovary at moderate levels. Captopril and lisinopril as the classical ACE inhibitor don't inhibit ACE-2 activity. ACE-2 may play an important role in regulating the heart function.
<b>Form</b>	Supplied as a 0.2 um filtered solution of 25 mM Tris-HCl, 150mM NaCl, 1mM ZnCl <sub>2</sub> , pH 7.5.
<b>AA Sequence</b>	Gln18-Thr740
<b>Endotoxin</b>	Less than 0.1 ng/ug (1 EU/ug).

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**Shipping** Dry ice/ice packs

## GENE INFORMATION

<b>Gene Name</b>	Ace2 angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	ACE2
<b>Synonyms</b>	Angiotensin Converting Enzyme 2; ACE-Related Carboxypeptidase; Angiotensin-Converting Enzyme Homolog; ACEH; Metalloprotease MPROT15; ACE2
<b>Gene ID</b>	70008
<b>mRNA Refseq</b>	NM_027286.4
<b>Protein Refseq</b>	NP_081562.2
<b>UniProt ID</b>	Q8R0I0

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