Recombinant Mouse ACE2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Angiotensin-Converting Enzyme 2 is produced by our Mammalian expression systemand the target gene encoding Gln18-Thr740 is expressed with a 10His tag at the C-terminus.
Species	Mouse
Source	Human Cells
ProteinLength	18-740 a.a.
Description	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 high 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.
Form	Supplied as a 0.2 um filtered solution of 25 mM Tris-HCl, 150mM NaCl, 1mM ZnCl2, pH 7.5.
AA Sequence	Gln18-Thr740
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).

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Shipping	Dry ice/ice packs

GENE INFORMATION

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

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