Active Recombinant Mouse ACE2, FLAG-tagged

Cat. No. ACE2-69M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Signal peptide sequence and the extracellular domain of mouse ACE2 (aa 1-740) are fused at the C-terminus to a FLAG-tag.
Species	Mouse
Source	HEK293
ProteinLength	1-740 a.a.
Description	ACE2 has direct effects on cardiac functions. It is expressed predominantly in vascular endothelial cells of the heart and kidney. ACE2 converts angiotensin I to angiotensin 1-9. ACE2 was also identified as a functional receptor for SARS coronavirus.
Form	Liquid. 0.2μm-filtered solution in PBS.
Bio-activity	Converts angiotensin I to angiotensin-(1-9).
Molecular Mass	~90kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)
Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After opening, prepare

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	aliquots and store at -20°C. Avoid freeze/thaw cycles.
Concentration	1mg/ml

GENE INFORMATION

Gene Name	Ace2 angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 [Mus musculus]
Official Symbol	ACE2
Synonyms	ACE2; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2; angiotensin-converting enzyme 2; ACE-related carboxypeptidase; angiotensin I converting enzyme 2; 2010305L05Rik;
Gene ID	70008
mRNA Refseq	NM_001130513
Protein Refseq	NP_001123985
Pathway	Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem; Renin-angiotensin system, organism-specific biosystem; Renin-angiotensin system, conserved biosystem;
Function	carboxypeptidase activity; carboxypeptidase activity; endopeptidase activity; glycoprotein binding; hydrolase activity; metal ion binding; metallopeptidase activity; peptidase activity; peptide binding; peptide hormone binding; peptidyl-dipeptidase activity; viral receptor activity;

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