

## Active Recombinant Mouse ACE2, FLAG-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Signal peptide sequence and the extracellular domain of mouse ACE2 (aa 1-740) are fused at the C-terminus to a FLAG-tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-740 a.a.
<b>Description</b>	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.
<b>Form</b>	Liquid. 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Converts angiotensin I to angiotensin-(1-9).
<b>Molecular Mass</b>	~90kDa (SDS-PAGE)
<b>Purity</b>	≥90% (SDS-PAGE)
<b>Stability</b>	Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Storage</b>	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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