

# Mouse ACE2 / Angiotensin-Converting Enzyme 2 (His Tag) recombinant protein



Catalog Number: 502062

## General Information

### Gene Name Synonym

ACE-related carboxypeptidase; Processed angiotensin-converting enzyme 2

### Protein Construction

A DNA sequence encoding the mouse ACE2 isoform 1 (Q8R0I0-1) extracellular domain (Met 1-Thr 740) was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gln 18

### Molecular Mass

The secreted recombinant mouse ACE2 comprises 734 amino acids and has a predicted molecular mass of 85 kDa. As a result of glycosylation, it migrates as an approximately 110 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 25mM Tris, 150mM NaCl, 1mM  $\text{ZnCl}_2$ , pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

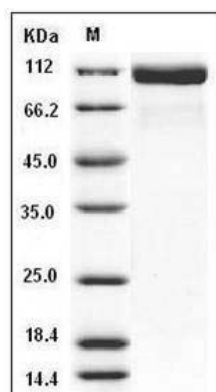
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse ACE2 / Angiotensin-Converting Enzyme 2 Protein (His Tag) SDS-PAGE