

# Mouse Carboxypeptidase A2/CPA2 (His Tag) recombinant protein



Catalog Number: 501654

## General Information

### Protein Construction

A DNA sequence encoding the mouse CPA2 (Q504N0) (Met 1-Tyr 417) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to cleave the colorimetric peptide substrate Ac-Phe-Thiaphe-OH in the presence of DTNB.

The specific activity is >4000 pmoles/min/μg.

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gln 17

### Molecular Mass

The secreted recombinant mouse CPA2 (pro form) comprises 412 amino acids and has a calculated molecular mass of 46.6 kDa. It migrates as an approximately 47 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

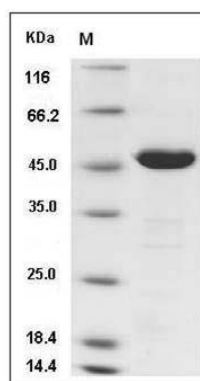
### Storage

Store it under sterile conditions at -20°C to -80°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 Carboxypeptidase A2 / CPA2 Protein (His Tag) SDS-PAGE