

# Mouse Carboxypeptidase M/CPM (His Tag) recombinant protein



Catalog Number: 502422

## General Information

### Gene Name Synonym:

### Protein Construction:

A DNA sequence encoding the extracellular domain of mouse CPM isoform 1 (Q80V42-1) (Met 1-His 422), without the propeptide, was fused with a C-terminal polyhistidine tag.

**Source:** Mouse

**Expression Host:** Human Cells

## QC Testing

### Activity:

Measured by its ability to release Larginine from BenzoylAlaArg, with detection of the arginine amino group by ophthaldialdehyde. The specific activity is >40,000 pmoles/min/ $\mu$ g.

### Purity:

> 97 % as determined by SDS-PAGE

### Endotoxin:

< 1.0 EU per  $\mu$ 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°C

### Predicted N terminal:

Leu 18

### Molecular Mass:

The secreted recombinant mouse CPM comprises 416 amino acids and has a calculated molecular mass of 47.8 kDa. The apparent molecular mass of rmCPM is approximately 52 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

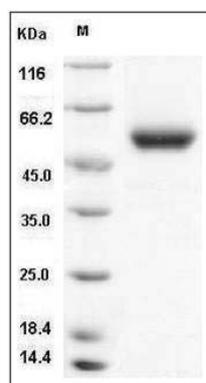
### Storage:

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 M / CPM Protein (His Tag) SDS-PAGE