

Mouse Carboxypeptidase M/CPM (His Tag) recombinant protein



Catalog Number: 502422

General Information

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.

Organism

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/μg.

Purity

> 97 % 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

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

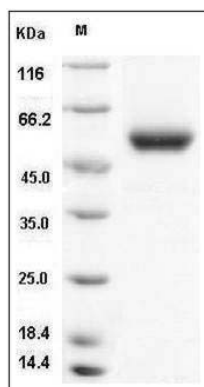
Storage

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