

Human Carboxypeptidase M/CPM (His Tag) recombinant protein



Catalog Number: 500749

General Information

Protein Construction

A DNA sequence encoding the human CPM (NP_938079.1) without the propeptide (Met 1-His 422) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Human

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

> 98 % 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 human CPM comprises 416 amino acids and has a predicted molecular mass of 47.7 kDa as estimated 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

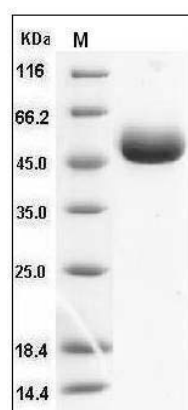
Storage

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



Human Carboxypeptidase M / CPM Protein (His Tag) SDS-PAGE