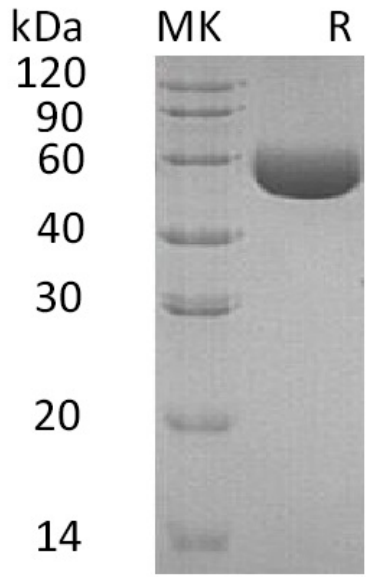
Product Name: Recombinant Human CPM (C-6His)
Catalog #: PHH0232

Summary

Name	Carboxypeptidase M/CPM
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Carboxypeptidase M is produced by our Mammalian expression system and the target gene encoding Leu18-His422 is expressed with a 6His tag at the C-terminus.
Accession #	P14384
Host	Human Cells
Species	Human
Predicted Molecular Mass	47.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM ZnCl2, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

Carboxypeptidase M;CPM

Background

Carboxypeptidase M (CPM) specifically removes C-terminal basic residues (Arg or Lys) from peptides and proteins. Carboxypeptidase exert roles in the physiological processes of blood coagulation/fibrinolysis, inflammation, food digestion and pro-hormone and neuropeptide processing. CPM is believed to play important roles in the control of peptide hormone and growth factor activity at the cell surface, and in the membrane-localized degradation of extracellular proteins. It is widely distributed in a variety of tissues and cells. CPM is involved in peptide metabolism on both the cell surface and in extracellular fluids. CPM functions not only as a protease but also as a binding partner in cell-surface protein-protein interactions.

Note

For Research Use Only , Not for Diagnostic Use.