Recombinant Protein Technical Manual

Recombinant Human Carboxypeptidase M/CPM Protein (His Tag)

RPES4508

Product Data:

Product SKU: RPES4508

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P14384

Protein Information:

Molecular Mass:	47.3 kDa
AP Molecular Mass:	55 kDa
Tag:	C-6His
Bio-activity:	
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per µg as determined by the LAL method.
Storage:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping:	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at<-20°C.
Formulation:	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,1mM ZnCl2,pH7.5.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	
Synonyms:	Carboxypeptidase M;CPM

Immunogen Information:

Sequence: Leu18-His422

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.