

Datasheet for ABIN7274412
CPM Protein (AA 18-423) (His tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CPM
Protein Characteristics:	AA 18-423
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPM protein is labelled with His tag.

Product Details

Purpose:	Mouse CPM Protein
Sequence:	Leu18-Ser423
Characteristics:	Recombinant Mouse CPM Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu18-Ser423.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CPM
Alternative Name:	CPM (CPM Products)

Target Details

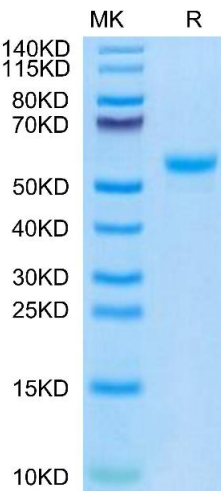
Background:	Carboxypeptidase M (CPM) is a glycosylphosphatidylinositol anchored enzyme that plays an important role in the kallikrein-kinin system (KKS). CPM catalytic domain hydrolyzes Arg from C-terminal peptides (i.e., bradykinin and kallidin), generating des-Arg-kinins, the agonists of B1 receptor (B1R).
Molecular Weight:	47.51 kDa. Due to glycosylation, the protein migrates to 55-60 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

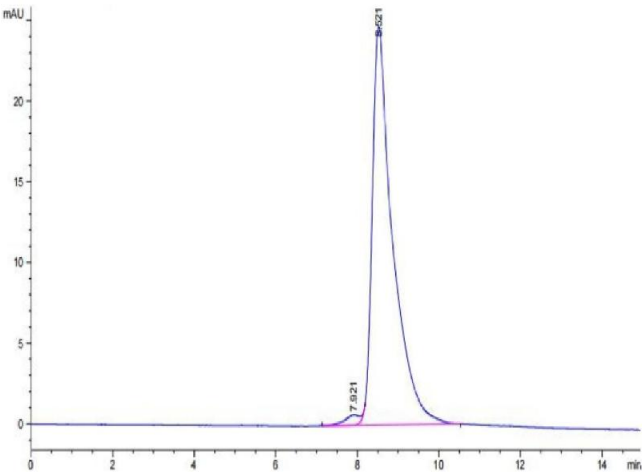
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse CPM on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse CPM is greater than 95 % as determined by SEC-HPLC.