

Datasheet for ABIN7274411  
**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:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPM protein is labelled with His tag.

## Product Details

Purpose:	Human CPM Protein
Sequence:	Leu18-Ser423
Characteristics:	Recombinant Human 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 ( <a href="#">CPM Products</a> )

## 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:** 47.48 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result.

**UniProt:** [P14384](#)

## 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

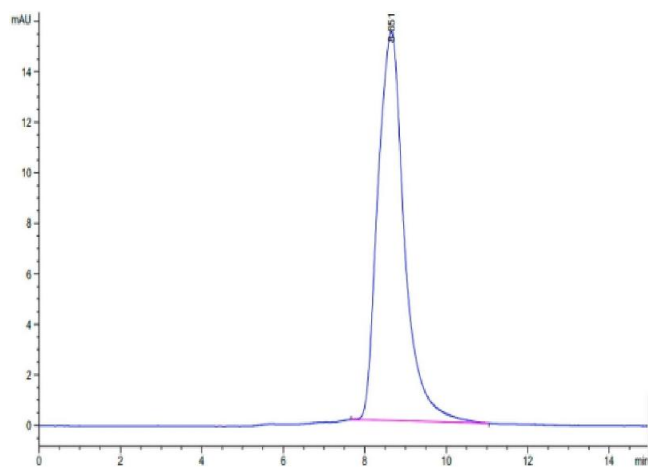
**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



SDS-PAGE

**Image 1.** Human 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 Human CPM is greater than 95 % as determined by SEC-HPLC.