

## 32-7635: Recombinant Mouse Carboxypeptidase M/CPM (C-6His)

**Gene :** Cpm  
**Gene ID :** 70574  
**Uniprot ID :** Q80V42

### Description

Source: Human Cells.  
MW :47.5kD.

Recombinant Mouse carboxypeptidase M is produced by our Mammalian expression system and the target gene encoding Leu18-Ser423 is expressed with a 6His tag at the C-terminus. Carboxypeptidase M (CPM) belongs to the peptidase M14 family, and exists in cell membrane. The protein binds 1 zinc ion per subunit, and cleavage of C-terminal arginine or lysine residues from polypeptides. CPM specifically removes C-terminal basic residues (Arg or Lys) from peptides and proteins. It 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** LDFRYHHQEGMEAFKLSVAQNYSSITHLHSGKSVRGRNLWVLVVGQTPKEHRVGIPEFKYVANMHGDETVGR  
ELLLHLIDYLVSSYRKDPEITHLIDSTRIHIMPSMNPDGFEAVQKPCYYSNGRENNYDLNRNFPDAFENNNV  
TKQPETLAIMEWLKTETFVLSANLHGGALVASYPFDNGVQATGTLLSRSLTPDDDFVQHLAYTYASRNPNMTK  
GDQCKNKRNFNGIINGYSWYPLQGGMQDYNIWAQCFEITLSCCKYPREEKLPWFNDNKASLIEYIKQVH  
LGVKQVFDQSGAPLPNVIVEVQDRKHICPFRTNKLG EYLLLLPGSYVINVTVPGHDSYLTKLTPGKSQPFSAL  
KKDFHLPLRWQPDSISVSNPSCMPIPLYKFMPSHSVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.