



## Recombinant Protein Technical Manual

**Recombinant Mouse Carboxypeptidase M/CPM  
Protein (His Tag)**  
RPES4812

### Product Data:

**Product SKU:** RPES4812

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q80V42

### Protein Information:

**Molecular Mass:** 47.5 kDa

**AP Molecular Mass:** 56 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Reconstitution:** Please refer to it for detailed information.

**Application:**

**Synonyms:** Carboxypeptidase M;CPM

## Immunogen Information:

**Sequence:** Leu18-Ser423

## Background:

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.