



Recombinant Human Carboxypeptidase M (CPM)

Product Code	CSB-EP005897HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P14384
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	LDF NYHRQEGMEA FLKTVAQNYS SVTHLHSIGK SVKGRNLWVL VVGRFPKEHR IGIPEFKYVA NMHGDETVGR ELLLHLIDYL VTSDGKDPEI TNLINSTRIH IMPSMNPDGF EAVKKPDCYY SIGREYNQY DLNRNFPDAF EYNNVSRQPE TVAVMKWLKT ETFVLSANLH GGALVASYPF DNGVQATGAL YSRSLTPDDD VFQYLAHTYA SRNPNMKGKGD ECKNKMNFPN GVTNGYSWYP LQGGMQDYNY IWAQCFEITL ELSCCKYPRE EKLPSEFWNNN KASLIEYIKQ VHLGVKGQVF DQNGNPLPNV IVEVQDRKHI CPYRTNKYGE YYLLLLPGSY IINVTVPGH D PHITKVIPE KSQNFSAKK DILLPFQGGQL DSIPVSNPSC PMIPLYRNLP DHS
Source	E.coli
Target Names	CPM
Protein Names	Recommended name: Carboxypeptidase M Short name= CPM EC= 3.4.17.12
Expression Region	18-423
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a membrane-bound arginine/lysine carboxypeptidase. Its expression is associated with monocyte to macrophage differentiation. This encoded protein contains hydrophobic regions at the amino and carboxy termini and has 6 potential asparagine-linked glycosylation sites. The active site residues of carboxypeptidases A and B are conserved in this protein. Three alternatively spliced transcript variants encoding the same protein have been described for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.