



# Recombinant Human Carboxypeptidase M (CPM)

<b>Product Code</b>	CSB-EP005897HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P14384
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	LDF NYHRQEGMEA FLKTVAQNYS SVTHLHSIGK SVKGRNLWVL VVGFRFPKEHR IGIPEFKYVA NMHGDETVGR ELLLHLIDYL VTSDGKDPEI TNLINSTRIH IMPSMNPDGF EAVKKPDCYY SIGREYNQY DLNRNFPDAF EYNNVSRQPE TVAVMKWLKT ETFVLSANLH GGALVASYPF DNGVQATGAL YSRSLTPDDD VFQYLAHTYA SRNPNMKKGD ECKNKMNFPN GVTNGYSWYP LQGGMQDYN Y IWAQCFEITL ELSCCKYPRE EKLPSEWNNN KASLIEYIKQ VHLGVKGQVF DQNGNPLPNV IVEVQDRKHI CPYRTNKYGE YYLLLLPGSY IINVTVPGHD PHITKVIPE KSNFNSALKK DILLPFQGGQL DSIPVSNPSC PMIPLYRNLP DHS
<b>Source</b>	E.coli
<b>Target Names</b>	CPM
<b>Protein Names</b>	Recommended name: Carboxypeptidase M Short name= CPM EC= 3.4.17.12
<b>Expression Region</b>	18-423
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.