

## Recombinant Human CPM Protein, His-tagged

Cat. No. CPM-119H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CPM protein with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	443
<b>Description</b>	The protein encoded by this gene 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>Form</b>	Lyophilized
<b>Molecular Mass</b>	47.1 kDa
<b>AA Sequence</b>	MDFPCLWLGLLLPLVAALDFNYHRQEGMEAFLLKTV AQNYSSVTHLHSIGKSVKGRN LWVLLVGRFPKEHRIGIPEFKYVANMHGDETVGRELLHLIDYLVTS DGKDPEITNLIN STRIHIMPSMNPDGFEAVKKPDCYYSIGRENYNQYDLNRNFPDAFEYNNVSRQPET VAVMKWLKTETFLSANLHGGALVASYPFDNGVQATGALYSRSLTPDDDDVFQYLAH TYASRNPNMKKGDECKNKMNFNGVTNGYSWYPLQGGMQDYNIWAQCFEITLEL

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SCCKYPREEKLPSFWNNNKASLIEYIKQVHLGVKGQVFDQNGNPLPNVIVEVQDRK  
 HICPYRTNKYGEYLLLLPGSYIINVTVPGHDPHITKVIPEKSQNFSALKKIDILLPFQG  
 QLDSIPVSNPSCPMIPLYRNLPDHSAAATKPSLFLFLVSLHIFFK

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** CPM carboxypeptidase M [ Homo sapiens (human) ]

**Official Symbol** CPM

**Synonyms** CPM; carboxypeptidase M; renal carboxypeptidase; urinary carboxypeptidase B;

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Gene ID	1368
mRNA Refseq	NM_001874
Protein Refseq	NP_001865
MIM	114860
UniProt ID	P14384

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