

Recombinant Human CPM Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human CPM protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	443
Description	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.
Form	Lyophilized
Molecular Mass	47.1 kDa
AA Sequence	MDFPCLWLGLLLPLVAALDFNYHRQEGMEAFLKTVAQNYSSVTHLHSIGKSVKGRN LWVLVVGFRFPKEHRIGIPEFKYVANMHGDETVGRELLHLIDYLVTS DGKDPEITNLIN STRIHIMPSMNPDGFEAVKKPDCYYSIGRENYNQYDLNRNFPDAFEYNNVSRQPET VAVMKWLKTETFLSANLHGGALVASYPFDNGVQATGALYSRSLTPDDDDVFQYLAH TYASRNPNMKKGDECKNKMNFNGVTNGYSWYPLQGGMQDYNIWAQCFEITLEL

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SCCKYPREEKLPSFWNNNKASLIEYIKQVHLGVKGQVFDQNGNPLPNVIVEVQDRK
HICPYRTNKYGEYYLLLLPGSYIINVTVPGHDPHITKVIIEKSQLNFSALKKDILLPFQG
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 ₂ 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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