

Recombinant Human CPM, His-tagged

Cat. No. CPM-11523H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPM protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	99-426a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	CPM carboxypeptidase M [Homo sapiens]
Official Symbol	CPM
Synonyms	CPM; carboxypeptidase M; renal carboxypeptidase; urinary carboxypeptidase B;
Gene ID	1368
mRNA Refseq	NM_001874
Protein Refseq	NP_001865
MIM	114860
UniProt ID	P14384
Chromosome Location	12q15
Function	carboxypeptidase activity; metal ion binding; metallocarboxypeptidase activity; metallopeptidase activity; peptidase activity; zinc ion binding;