

Recombinant Full Length Human CPM Protein, GST-tagged

Cat. No. CPM-2078HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CPM full-length ORF (NP_001005502.1, 1 a.a. - 443 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	443 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	76.9 kDa
AA Sequence	MDFPCLWLGLLLPLVAALDFNYHRQEGMEAFLKTVAQNYSSVTHLHSIGKSVKGRN LWVLVVGRRFPKEHRIGIPEFKYVANMHGDETVGRELLHLIDYLVTS DGKDPEITNLIN STRIHIMPSMNPDGFEAVKKPDCYYSIGRENYNQYDLNRNFPDAFEYNNVSRQPET VAVMKWLKTETFVLSANLHG GALVASYPFDNGVQATGALYSRSLTPDDDFVQYLAH TYASRNPNMKKGDECKNKMNFNGVTNGYSWYPLQGGMQDYNYIWAQCFEITLEL SCCKYPREEKLPSFWNNNKASLIEYIKQVHLGVKGQVFDQNGNPLPNVIVEVQDRK

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HICPYRTNKYGEYYLLLLPGSYIINVTVPBGHDPHITKVIIEKSNFSALKKDILLPFQG
QLDSIPVSNPSCPMIPLYRNLPDHSAAATKPSLFLFLVSLHIFFK

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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