

Product datasheet for **SC324538**

Carboxypeptidase M (CPM) (NM_001005502) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Carboxypeptidase M (CPM) (NM_001005502) Human Untagged Clone
Tag:	Tag Free
Symbol:	Carboxypeptidase M
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001005502.1
 GGGTGGGTAGAGGTGCGCGCCTGGGACCTGAACATGGACTTCCCGTGCCTCTGGCTAGGG
 CTGTTGCTGCCTTTGGTAGCTGCGCTGGATTTCAACTACCACCGCAGGAAGGGATGGAA
 GCGTTTTTGAAGACTGTTGCCAAAACACTACAGTTCTGTCACTCACTTACACAGTATTGGG
 AAATCTGTGAAAGGTAGAAAACCTGTGGGTTCTTGTGTGGGGCGGTTTCCAAAGGAACAC
 AGAATTGGGATTCAGAGTTCAAATACGTGGCAAATATGCATGGAGATGAGACTGTTGGG
 CGGGAGCTGCTGCTCCATCTGATTGACTATCTCGTAACCCAGTGATGGCAAAGACCCTGAA
 ATCACAAATCTGATCAATAGTACCCGGATACACATCATGCCTTCCATGAACCCAGATGGA
 TTTGAAGCCGTCAAAAAGCCTGACTGTTACTACAGCATCGGAAGGAAAAATTATAACCAG
 TATGACTTGAATCGAAATTTCCCGATGCTTTTGAATATAATAATGTCTCAAGGCAGCCT
 GAAACTGTGGCAGTCAAGAGTGGCTGAAAACAGAGACGTTTGCCTCTCTGCAAACCTC
 CATGGTGGTGCCTCGTGGCCAGTTACCCATTTGATAATGGTGTCAAGCAACTGGGGCA
 TTATACTCCCGAAGCTTAAACGCCTGATGATGATGTTTTTCAATATCTTGACATACCTAT
 GCTTCAAGAAATCCCAACATGAAGAAAGGAGACGAGTGTAAAAACAAAATGAACTTTCCT
 AATGGTGTACAATGGATACTCTTGGTATCCACTCCAAGGTGGAATGCAAGATTACAAC
 TACATCTGGGCCAGTGTTTTGAATACGTTGGAGCTGCATGCTGTAATATCCTCGT
 GAGGAGAAGCTTCCATCCTTTTGAATAATAACAAAGCCTCATTAAATGAATATATAAAG
 CAGGTGCACCTAGGTGTAAGGGTCAAGTTTTTGTATCAGAATGGAATCCATTACCCAAT
 GTAATTGTGGAAGTCCAAGACAGAAAACATATCTGCCCTATAGAACCAACAAAATATGGA
 GAGTATTATCTCCTTCTCTTGCCTGGGCTTATATAATAAATGTTACAGTCCCTGGACAT
 GATCCACACATCACAAGGTGATTATCCGGAGAAAATCCAGAATTCAGTGCTCTTAAA
 AAGGATATTCTACTTCCATTCCAAGGGCAATTGGATTCTATCCCAGTATCAAATCCTTCA
 TGCCCAATGATTCTCTATACAGAAAATTTGCCAGACCCTCAGCTGCAACAAAGCCTAGT
 TTGTTCTTATTTTGTAGTGAGTCTTTTGCACATATTCTTCAAATAAAGTAAAATGTGAAAC
 TCAACCCACATCACACCTGGAATCAGGGATTGCTCACTCCAGGTTACTGCAACCCTAAC
 TCACTCTAGTGGGACCTTACTGGAGAACTCCACGATCTTCTGAAGAAGAGAAATGGA
 TGTTTCCAAATCCACAATAAGCAATATGTGGTGATAATGAAAAGAATGATTCACTCTTG
 ACGGTGAATGGAAGACACTTACCTAACAAAGTACTGCTCATTTACTCAAAATTAATCTTG
 AAGTAGTCTTAAAATGTGTAAGAAGTTAAAACCTGAGAAGCAAAAAATGCCTGCAAAAA
 GAAGATCATTTTGTATACAGAGAACCGGATGAATATAAGCAATGAAGATGAACATTTATT
 GATCTTTACATAACAAGACTTACCATAAAGCCAGGAGCAGTGGCTCACACCTTGTAAATC
 CCAGCACTTTGGGAGGCCAAGGTGGGCGGATCACCTTGAGGTGAGGATTCAAAACCCAGC
 CTGACCAACATGGTAAAACCTGTCTCTACTAAATATTAGCGGGGTGGTGGCGGGGCAC
 CTGTAATCGCAGCCTTTCAGGAGGCTGAGACAGGAGAATCGCTTGAACCCTAGAGGCGGA
 GTTTGAGTGAGCCGAGATAGTGCCATTGTACTCCAGCTTGGGCAACAGAGTAAGACTCT
 GTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001005502

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001005502.1](#), [NP_001005502.1](#)

RefSeq Size: 6651 bp

RefSeq ORF: 1332 bp

Locus ID: 1368

UniProt ID: [P14384](#)

Cytogenetics: 12q15

Protein Families: Druggable Genome, Protease

Gene Summary: 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]
Transcript Variant: This variant (3) differs in the 5' UTR compared to variants 1 and 2. All three variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no quality transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.