

Product datasheet for **SC127801**

Carboxypeptidase M (CPM) (NM_198320) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Carboxypeptidase M (CPM) (NM_198320) Human Untagged Clone
Tag:	Tag Free
Symbol:	Carboxypeptidase M
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198320, the custom clone sequence may differ by one or more nucleotides

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ATGGA CTCCCGTGCCTCTGGCTAGGGCTGTTGCTGCCTTTGGTAGCTGCGCTGGATTTCAACTACCACC  
GCCAGGAAGGGATGGAAGCGTTTTTGAAGACTGTTGCCAAAACACTACAGTTCTGTCACTCACTTACACAG  
TATTGGGAAATCTGTGAAAGGTAGAAACCTGTGGGTTCTTGTGTGGGGCGGTTTCCAAAGGAACACAGA  
ATTGGGATTCAGAGTTCAAATACGTGGCAAATATGCATGGAGATGAGACTGTTGGGCGGGAGCTGCTGC  
TCCATCTGATTGACTATCTCGTAACCAAGTATGGCAAAGACCCCTGAAATCACAAATCTGATCAATAGTAC  
CCGGATACACATCATGCCTTCCATGAACCCAGATGGATTTGAAGCCGTCAAAAAGCCTGACTGTTATTAC  
AGCATCGGAAGGGAAAAATTATAACCAAGTATGACTTGAATCGAAATTTCCCGATGCTTTTGAATAATA  
ATGTCTCAAGGCAGCCTGAAACTGTGGCAGTCATGAAGTGGCTGAAAACAGAGACGTTTGCCTCTCTGC  
AAACCTCCATGGTGGTGCCTCGTGGCCAGTTACCCATTTGATAATGGTGTTCAGCAACTGGGGCATT  
TACTCCCGAAGCTTAACGCCTGATGATGATGTTTTTCAATATCTTGCACATACCTATGCTTCAAGAAATC  
CCAACATGAAGAAAGGAGACGAGTGTA AAAACAAAATGAACTTTCCTAATGGTGTACAAATGGATACTC  
TTGGTATCCACTCCAAGGTGGAATGCAAGATTACAACATACATCTGGGCCAGTGT TTTGAAATTACGTTG  
GAGCTGTCATGCTGTAATATCCTCGTGAGGAGAAGCTTCCATCCTTTTGAATAATAACAAAGCCTCAT  
TAATTGAATATAAAGCAGGTGCACCTAGGTGTAAGGGTCAAGTTTTTGATCAGAATGGAATCCATT  
ACCAATGTAATTGTGGAAGTCCAAGACAGAAAACATATCTGCCCTATAGAACCAACAAATATGGAGAG  
TATTATCTCCTTCTTGCCTGGGCTTATATAATAAATGTTACAGTCCCTGGACATGATCCACACATCA  
CAAAGGTGATTATCCGGAGAAATCCCAGA AACTTCAGTGCTCTTAAAAAGGATATTCTACTTCCATTCCA  
AGGGCAATTGGATTCTATCCCAGTATCAAATCCTTCATGCCCAATGATTCTCTATACAGAAATTTGCCA  
GACCCTCAGCTGCAACAAAGCCTAGTTTGTCTTATTTTTAGTGAGTCTTTTGCACATATTTCTCAAAT  
AA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_198320 unedited GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGCGCCTGGGACCTGA ACATGGACTTCCCGTGCCTCTGGCTAGGGCTGTTGCTGCCTTTGGTAGCTGCGCTGGATT TCAACTACCACCGCCAGGAAGGGATGGAAGCGTTTTTGAAGACTGTTGCCAAAACCTACA GTTCTGCTACTCACTTACACAGTATTGGGAAATCTGTGAAAGGTAGAAACCTGTGGGTTT TTGTTGTGGGGCGGTTTCAAAGGAACACAGAATTGGGATTCCAGAGTCAAATACGTGG CAAATATGCATGGAGATGAGACTGTTGGGCGGGAGCTGCTGCTCCATCTGATTGACTATC TCGTAACCAGTGATGGCAAAGACCCTGAAATCACAAATCTGATCAATAGTACCCGGATAC ACATCATGCCTTCCATGAACCCAGATGGATTTGAAGCCGTCAAAAAGCCTGACTGTTACT ACAGCATCGGAAGGAAAATTATAACCAGTATGACTTGAATCGAAATTTCCCGATGCTT TTGAATATAATAATGTCTCAAGGCAGCCTGAAACTGTGGCAGTCATGAAGTGGCTGAAAA CAGAGACGTTTGCCTCTCTGCAAACCTCCATGGTGGTGCCTCGTGGCCAGTTACCCAT TTGATAATGGTGTCAAGCAACTGGGGCATTATACTCCCGAAGCTTAACGCCTGATGATG ATGTTTTTCAATATCTTGACATACCTATGCTTCAAGAAATCCCACATGAAGAAAGAGAC GAGTGTAAAACANAATGAACTTTCTATGGTGTACAATGGGATACTCTGGTATCTNCAG GTGGATGCAGATACACTACTCTGCCCCATGTTTGAATACGTTGACTGCATGCCAATATCT CGGAGAGAGCTTCATCTTNA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_198320 unedited CGGCCGAATTTATAGTCGAGTTTTTTTTTTTTTTTTTTAGTAGAGATGGGGTTTCACCA TGTTGGCCAGGCTGGTCTTGAGCTCCTGACCTCAAGTGATCCGCCCGCCTGGCCTCCCA AAATGTGGGATTACAGGCATGAGCCACCATGCCTGGCCAACACCAACCTTTAGTTACTT GCTGAATACACAGGATTAAGGAGGAAGATAAAGTATCAAGGATGACTCCAGGTTCTAG CTTGGTGGTCCCAGTAATTGAGAGAGAGAATGCAGCAGGAAGAGCAGCTAGGGGGAAC AGGATGGGTATCTCCACATGATGGGTTGGAGGTACCTGTGAGTCACATCCAGGTGGATGT GTCCTGTGGGCGAGTGGGACGCGAGTCTGAAGCTCAGGCAAGAGGCTAGAGTTACATCTTT GGAGTCATCAGCCTAATGGAGGACTGTGGCATCCACGTGCCAAAAGCTAGGGAAACCGCT CTGAAAGAGAGGGGCTTTCTTAATTGACCTGTATGCTTTGAAGCTCTATAAAGACACAA TCTTATCCCTTTCAGGCCCTGATTTTTTTCGGGCCCTCACATGTGGGTACACATTTTCG TGTCATCGTTAATGACGCCGTGGTAAACAACACGCTACATGCGCNCTCATCCCGCCC TTCCCTCGGCAGCCGAATACCAGATATCGTTTCCGCTCCATCCGCTCCCTTCCCGCA CTGCGCCGCACACCTTGGCGCCGCTGCTCCCTCAGTCTTTTCCCCCTCTAACCT CTCCTCCCCCGTCCCTCTCTATGCCACCCGTTCTTTCTTACCCGTCATCTATC CACCTTCCCTCATGATCGATATGCCCGTCTTCCCTATTTCATGATTTATTTCTTCCC GCCCCCTATCCTTATTTCTTTCTTTCTTCGCTTATCGCCCGCCCTCGCACCTATCT TTCTTCGGTGTGTCGCCACCGCCACCACCTATTCTCCTTCTAC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_198320
Insert Size:	2920 bp
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).
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_198320.2](#), [NP_938079.1](#)

RefSeq Size: 6669 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 (2) differs in the 5' UTR compared to variants 1 and 3. 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.