

Product datasheet for **SC127012**

PMPCB (NM_004279) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PMPCB (NM_004279) Human Untagged Clone
Tag:	Tag Free
Symbol:	PMPCB
Synonyms:	Beta-MPP; MAS1; MPP11; MPPB; MPPP52; P-52
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004279, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCTGCGGCGGCTCGAGTGGTGTTCATCCGCGGCGGCGGCGGCTCTGGGGTTTCAGCGAGA
GTCTTCTAATCCGAGGCGCTGCGGGACGGTCATTATATTTGGAGAGAACAGATTAAGAAGTACACAGGC
TGCTACCCAAGTTGTTCTGAATGTTCTGAAACAAGAGTAACATGTTTAGAAAAGTGGACTCAGAGTAGCT
TCGGAAGACTCTGGGCTCTCAACATGCACAGTTGGACTCTGGATTGATGCTGGAAGTAGATACGAAAATG
AGAAGAACAATGGAACAGCACACTTTCTGGAGCATATGGCTTTCAAGGGCACCAAGAAGAGATCCCAGTT
AGATCTGGAAGTTGAGATTGAAAATATGGGTGCTCATCTCAATGCCTATACCTCCAGAGAGCAGACTGTA
TACTATGCCAAAGCATTCTCAAAGACTTGCCAAGAGCTGTAGAAATCTTGCTGATATAATAACAAAACA
GCACATTGGGAGAAGCAGAGATTGAACGTGAGCGTGGAGTAATCCTTAGAGAGATGCAGGAAGTTGAAAC
CAATTTACAAGAAGTTGTTTTGATTATCTTCATGCCACAGCTTATCAAATACTGCACTTGGACGGACA
ATTTTGGGACCAACTGAAAATATCAAATCTATAAGTCGTAAGGACTTAGTGGATTATATAACCACACATT
ATAAGGGGCCAAGAATAGTGCTTGCTGCTGGAGGTGTTCCCATGATGAATTGCTTGACTTAGCAAA
GTTTCATTTCCGTGACTCTTTATGCACACACAAAGGAGAAATACCAGCTCTGCCTCCCTGCAAAATCACA
GGAAGTGAGATTCGTGTGAGGGATGACAAGATGCCTTTGGCGCACCTTGAATAGCTGTTGAAGCTGTTG
GTTGGGCACATCCAGATACAATCTGTCTCATGGTTGCAAAACGCTGATTGGCAACTGGGATCGCTCTTT
TGGGGGAGGAATGAATTTATCTAGCAAGCTGGCCAGCTCACTTGTGCATGGCAATCTTGGCCATAGCTTT
CAGTCTTTCAACACTTCCTACACAGATACAGGATTATGGGACTGTATATGGTTTGTGAATCATCCACTG
TTGCAGACATGCTACATGTTGTTCAAAAAGAATGGATGCGACTCTGTACAAGTGTACAGAAAGTGAAGT
TGCACGAGCCAGAAATCTTCTGAAAACAAACATGTTGTTGCAGCTTGATGGTTCAACTCCAATTTGTGAA
GATATTGGTAGGCAATGTTATGCTATAATAGAAGGATCCCATCCCTGAGCTTGAAGCAAGAATTGATG
CTGTGAATGCTGAGACAATTCGAGAAGTATGTACCAAATACATTTATAATAGGAGTCCAGCTATTGCTGC
TGTTGGTCCCATTAAGCAACTACCAGATTTTAAACAGATACGCAGTAACATGTGTTGGCTTCGTGATTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004279 unedited ATTTTGTATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGATGGCGGCTGCGG CGGCTCGAGTGGTGTGTGCATCCGCGCGCGGGCGGCTCTGGGGTTTCAGCGAGAGTC TTCTAATCCGAGGCGCTGCGGGACGGTCATTATATTTGGAGAGAACAGATTAAGAAGTA CACAGGCTGCTACCCAAGTTGTTCTGAATGTTCTGAAACAAGAGTAACATGTTTAGAAA GTGGACTCAGAGTAGCTTCGGAAGACTCTGGGCTCTCAACATGCACAGTTGGACTCTGGA TTGATGCTGGAAGTAGATACGAAAATGAGAAGAACAATGGAACAGCACACTTTCTGGAGC ATATGGCTTTCAAGGGCACCAAGAAGAGATCCCAGTTAGATCTGGAACCTGAGATTGAAA ATATGGGTGCTCATCTCAATGCCTATACCTCCAGAGAGCAGACTGTATACTATGCCAAAG CATTCTCTAAAGACTTGCCAAGAGCTGTAGAAATCTTGCTGATATAATACAAAACAGCA CATTGGGAGAAGCAGAGATTGAACGTGAGCGTGGAGTAATCCTTAGAGAGATGCAGGAAG TTGAAACCAATTTACAAGAAGTTGTTTTGATTATCTTCATGCCACAGCTTATCAAATA CTGCACTTGGACGGACAATTTGGGACCAACTGAAAATATCAAATCTATAAGTCGTAAGG ACTTAGTGGATTATATAACCACACATTATAGAGNGCCAGAATAGTGCTTGCTGCTGCTG GAGGTGTTTTCCATGATGAATTGCTTAGCTTAGCAAAGTTTCATTTCCGGTGACTCTTTA TGCCACACAAAAGGAGAATACCAGCTCTGCCTCCCTGACAATTCAN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004279 unedited TTTGTACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTATATACATG TTCATTTTTATTTTTCTAGCTCTGTTTTATAAATACATGTGTTCAAACAATCTTGATT AGGAGCATTTTAAACACGAAGCCAACACATGTTACTGCGTATCTGTTAAAAATCTGGTAG TTGCTTAATGGGACCAACAGCAGCAATAGCTGTTCTCCTATTATAAATGTATTTGGTACA TACTTCTCGAATTGTCTCAGCATTACAGCATCAATTCTTGCTTCAAGCTCAGGGATGGG AATCCTTCTATTATAGCATAACATTTGCCTACCAATATCTTCACAAATTGGAGTTGAACC ATCAAGCTGCAACAACATGTTTGTTCAGAAAGATTTCTGGCTCGTGCAACCTCACTTTC TGTGACACTTGTACAGAGTCGCATCCATTCTTTTTGAACAACATGTAGCATGTCTGCAAC AGTGGATGATTCACAAACCATATACAGTCCCATAATCCTGTATCTGTGTAGGAAGTGT GAAAGACTGAAAGCTATGGCAAAGATTGCCATGACAAGTGAGCTGGGCCAGCTTGCTAGA TAATTCATTCTCCCCAAAAGAGCGATCCCAGTTGCCAATCAGCGTGGTTGCAACCATG AGACAGAATGTATCTGGATGTGCCAACCAACAGCTTCAACAGCTATTGCAAGGGTGCCG CAAAAGCAATCTGTGCATCCCTTCAAACGAATCTTAATTTCTGGGAAATTTGCAGGGAGG CCAAAGTGGTTATTTCTCTTTTGGGGGGCAAAAAGAGTCCCCCAAATGGAACCTTGCTT AGTTAAACCATTTTATCTGGGAAACCCTCCCGCAGCAGCAGGCCCTTTCTGTGCCCC TTTAAAAGGGTGGGTAAAAAACCAACATTCCTTCCACACTAAAAATTTAAATATTTT AGTTGGGCCCAAATTGGC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_004279
Insert Size:	1600 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:	<ol style="list-style-type: none">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:	<u>NM_004279.1</u> , <u>NP_004270.1</u>
RefSeq Size:	1771 bp
RefSeq ORF:	1470 bp
Locus ID:	9512
UniProt ID:	<u>O75439</u>
Cytogenetics:	7q22.1
Domains:	Peptidase_M16, Peptidase_M16_C
Protein Families:	Druggable Genome, Protease
Gene Summary:	This gene is a member of the peptidase M16 family and encodes a protein with a zinc-binding motif. This protein is located in the mitochondrial matrix and catalyzes the cleavage of the leader peptides of precursor proteins newly imported into the mitochondria, though it only functions as part of a heterodimeric complex. [provided by RefSeq, Jul 2008]