

Product datasheet for **RN208554**

Pmpcb (NM_022395) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pmpcb (NM_022395) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pmpcb
Synonyms:	Mppb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208554 representing NM_022395
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGGCGGCGCTGTATCCCGGACGTTGTTGCCGGTGGCCGGACGGCGCTGTGGGGATTACGCGAA
GGCTTCCGCTCCGCGCCCGCTGCTCAGCCATTGTACTTTGGAGGGACCGACTCAGAAGTACACAGGC
TGCTCCACAAGTTGTTCTGAATGTTCTGAGACACAAGTCACTTGTGGAAAATGGACTCAGGGTAGT
TCTGAAAATCTGGGATCTCAACATGCACCGTTGGGCTGTGGATCGATGCTGGCAGTCGGTATGAGAATG
AAAAGAACAATGGCACCCTCACTTTCTGGAGCACATGGCTTTCAAGGGCACTAAAAAGAGTCCCAGTT
AGACCTTGAACCTGAGATTGAGAACATGGGTGCCATCTCAATGCCTATACCTCCAGAGAGCAGACTGTC
TACTACGCCAAAGCCTTCTCAAAGATTGCCAAGAGCTGTAGAAATCTTGCTGACATAATTGAGAACA
GTACATTGGGAGAGGCAGAGATTGAACGTGAGCGTGGAGTCATCCTCAGAGAAATGCAGGAAGTTGAGAC
CAACTTGAAGAAGTTGCTTTGATTATCTGCACGCCACAGCCTATCAAAACACCGCGCTCGGACGGACA
ATTCTGGGACCAACCGAGAACATCAAATCTATAAGCCGTAAGGACTTAGTGGACTACATAACCACACATT
ATAAGGGACCAAGAATCGTGTGCTGGCTGCTGCTGGAGGTGTTTGGCATAACGAACTGCTGGAGTTAGCGAA
GTTTCATTTTGGTGACTCTTTGTGCGCACACAAAGGAGATGTACCAGCTCTGCCTCCCTGTAATCACT
GGAAGCGAGATTCGGGTGAGGGATGACAAGATGCCACTGGCGCACCTCGCAGTGGCTATTGAAGCAGTTG
GTTGGACGCACCCAGACACGATCCGTCTCATGGTCGAAACACACTGATAGGCAACTGGGACCGCTCTTT
CGGAGGAGGAATGAATTTATCGAGCAAGCTGGCCAGCTCACGTGCCATGGCAATCTCTGCCACAGCTTC
CAGTCTTCAACACCTCTACACAGACACAGGATTGTGGGGCTCTATATGGTTTGTGAACAAGCCACAG
TTGCTGACATGCTGCACGCTGTACAAAAGGAATGGATGCGTCTGTGCACAGCTGTTAGTGAGAGTGGGT
CGCAGCGCCAAAACCTTCTCAAGACAACATGCTGCTGCAGCTTGATGGGTCAACTCCGATCTGTGAA
GACATCGGTAGGCAGATGCTATGCTACAACAGGAGAATCCCCATCCCTGAGCTTGAGGCCAGGATCGATG
CTGTGGACCGGAGATGGTTCGAGAAGTGTGCACCAAGTACATTTATGGCAAAAGCCCGCCATTGCTGC
TCTCGTCTCTATTGAGCGCTTACCAGATTTAACCAGATTTGTAGTAACATGCGCTGGACTCGTGA**CGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_022395

Insert Size: 1470 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_022395.2](#), [NP_071790.1](#)
RefSeq Size: 1569 bp
RefSeq ORF: 1470 bp
Locus ID: 64198
UniProt ID: [Q03346](#)
Cytogenetics: 4q11
Gene Summary: beta subunit of mitochondrial processing peptidase, which catalyzes cleavage of the amino terminal leader peptide of nuclear encoded mitochondrial proteins [RGD, Feb 2006]