

Product datasheet for MR206030

Ppme1 (NM_028292) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppme1 (NM_028292) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppme1
Synonyms:	1110069N17Rik; 2700017M01Rik; PME-1; Pme1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206030 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCCCTTGAAAAAGCATGCACCTCGGCCGCTACCTTCTCGCCCTCCTTACCCGGCAGCGGGG
GCAGTCAGAGCGGAGCCAAGATGCGGATGGGCCCTGGACGGAAGCGGGACTTTACCCCTGTCCCATGGAG
TCAGTACTTTGAGTCAATGGAAGATGTGGAAGTGGAGAATGAAACTGGCAAGGATACTTTTCGAGTTTAC
AAGAGTGGTTCTGAGGGTCCAGTCTGCTGCTGCTTTCATGGAGGAGGCCATTCGGCCCTTCTCGGGCAG
TGTTACGGCAGCAATCATCAGTAGAGTACAGTGTAGGATTGTGGCTCTGGATCTGCGAGGTCACGGAGA
AACTAAAGTCAAGAATTCTGAAGACCTGTGAGCAGAAACAATGGCAAAAGATGTTGGCAATGTGGTGGAA
GCCATGTATGGAGACCTCCCTCCTCCAGTCATGCTGATTGGGCACAGCATGGGTGGGCCATTGCAGTGC
ACACAGCCGACGCTAACCTGGTACCAAGCCTCTTGGGCCCTTTCATGATTGATGTTGTAGAAGGTACCGC
CATGGATGCACCTAATAGCATGCAGAAATTTCTTGGCGTGGTCGACCTAAAACCTTCAAGTCTTTGGAGAAT
GCTATTGAATGGAGTGTGAAGAGTGGCCAGATTCGAAACCTTGGAGTCTGCCCGTGTATCCATGGTCGGCC
AAGTCAAACAGTGTGAAGGAATTACAAGTCCAGAAGGTTCCAAATCCATAGTGAAGGAATCATAGAGGA
GGAGGAAGAAGATGAGGAAGGAAGTGAAGTCAAGTAAACAAGAGGAAAAAGGAAAGACGACATGGAACCAAG
AAGGATCACCCATACACCTGGAGAATTGAGCTGGCAAAAACAGAAAAGTACTGGGATGGCTGGTTCCGGG
GCTTATCCAATCTTTCTTAGCTGTCCTATTCCTAAAAGTCTGCTCTTGGCAGGTGTTGACAGATTGGA
TAAAGATCTGACCATAGGCCAGATGCAGGGGAAGTTCAGATGCAGGTCTTACCCAGTGTGGCCATGCA
GTCCATGAGGATGCCCTGACAAGGTAGCTGAAGCTGTTGCCACTTCTGATCCGGCACAGTTTGCAG
AGCCCATGGAGGATTCCAGTGTGTGTTTCTGGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206030 protein sequence
Red=Cloning site Green=Tags(s)

MSALEKSMHLGRLPSRPPLPGSGGSQSGAKMRMGPRKRDFTPVPWSQYFESMEDVEVENETGKDTFRVY
 KSGSEGPVLLLLHGGGHSALSWAVFTAIIISRVQCRIVALDLRGHGETKVKNSEDLSAETMAKDVGNVVE
 AMYGLPPPVMILGHSMGGAIIVHTAAANLVPSLLGLCMIDVVEGTAMDALNSMQNFLRGRPKTFKSLN
 AIEWSVKSGQIRNLESARVSMVGQVKQCEGITSPEGSKSIVEGIIEEEEDEEGSESVNKRKKEDDMETK
 KDHPYTWRIELAKTEKYWDGWFRLSNLFLSCLIPKLLLLLAGVDRLDKDLTIGQMKGKFMQVLPQCGHA
 VHEDAPDKVAEAVATFLIRHRFAEPIGGFQCVFPGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_028292

ORF Size: 1161 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_028292.2](#), [NP_082568.1](#)

RefSeq Size: 2361 bp

RefSeq ORF: 1161 bp

Locus ID: 72590

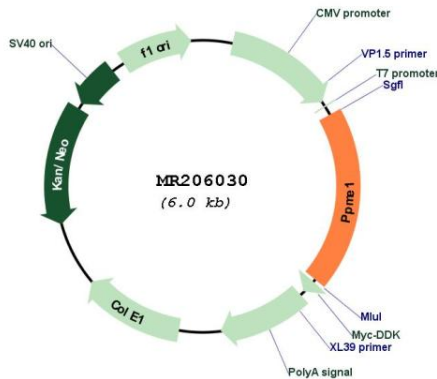
UniProt ID: [Q8BVQ5](#)

Cytogenetics: 7 E2

MW: 42.3 kDa

Gene Summary: Demethylates proteins that have been reversibly carboxymethylated. Demethylates PPP2CB (in vitro) and PPP2CA. Binding to PPP2CA displaces the manganese ion and inactivates the enzyme (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206030