

## Product datasheet for **RR216537**

### **Ppme1 (NM\_001191838) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ppme1 (NM\_001191838) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ppme1  
**Synonyms:** PME-1; RGD1309683  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216537 representing NM\_001191838  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCGGCCCTTGAAAAAGCATGCACCTCGGCCGTTACCTTCTCGCCCTCCTCTACCCGGCAGCGGGG  
GCAGTCAGAGCGGAGCCAAGATGCGGATGGGCCCTGGAAGGAAGCGGGACTTTACCCCTGTTCCATGGAG  
TCAGTACTTCGAGTCAATGGAAGATGTGGAGGTGGAGAATGAAACTGGCAAGGATACTTTTCGAGTTTAC  
AAGAGTGGTTCGAGGGTCCAGTCTGCTGCTTCATGGAGGAGGCCATTCTGCCCTTCTCGGCGAG  
TATTCACGGCAGCAATCATCAGTAGAGTACAGTGTGGATTGTGGCTCTGGATCTACGAAGCCATGGAGA  
AACTAAAGTCAAGAATTCTGAAGACCTGTGAGCAGAAACAATGGCAAAAGATGTTGGTAATGTGGTGGAA  
GCCATGTATGGCGACCTCCCTCCTCCCGTCATGCTGATTGGGCACAGCATGGCGGTGCCATTGCAGTAC  
ACACAGCAGCAGCTAACCTGGTCCAGCCTTTTGGGTCTTTGTATGATTGATGTTGTGGAAGGTACAGC  
CATGGATGCCCTTAATAGCATGCAGAATTTCTTACGGGGTCCGCCAAAACCTTCAAGTCTCTGGAGAAT  
GCTATTGAATGGAGTGTGAAGAGTGGCCAGATTCGAAATCTAGAATCTGCCCGTGTATCCATGGTCCGCC  
AAGTCAAACAGTGTGAAGGAATTACAAGTCCAGAAAGTTCCAAATCCATAGTAGAAGGAATCATAGAGGA  
GGAGGAAGAAGATGAAGAAGGAAGTGAAGTCAAGTAAACAAGAGGAAAAAGGAAGACGACATGGAAACCAAG  
AAGGATCATCCATACACCTGGAGAATTGAGCTGGCAAAAACAGAGAAGTACTGGGACGGCTGGTTCGAG  
GCTTATCCAATCTCTTTCTTAGCTGTCCTATTCCTAAACTGCTGCTCTTGGCAGGTGTTGATAGATTGGA  
TAAAGTCTGACCATAGGCCAGATGCAGGGGAAGTTCAGATGCAGGTCTTACCCAGTGTGGCCATGCA  
GTCCATGAGGATGCCCTGACAAGGTAGCTGAAGCTGTTGCCACTTCTGATCCGACACAGTTTGCAG  
AGCCCATCGGAGGATTCCAGTGTGTGTTTCTGGCTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216537 representing NM\_001191838  
Red=Cloning site Green=Tags(s)

MSALEKSMHLGRLPSRPPLPGSGGSQSGAKMRMGPRKRDFTPVPWSQYFESMEDVEVENETGKDTFRVY  
 KSGSEGPVLLLLHGGGHSALSWAVFTAIIISRVQCRIVALDLRSHGETKVKNSEDLSAETMAKDVGNVVE  
 AMYGLDPPPVMLIGHSMGGAIHVHTAAANLVPSLLGLCMIDVVEGTAMDALNSMQNFLRGRPKTFKSLN  
 AIEWSVKSGQIRNLESARVSMVGQVKQCEGITSPESSKSIVEGIEEEEEDEEGSESVNKRKKEDDMETK  
 KDHPYTWRIELAKTEKYWDGWFRLSNLFLSCLPKLLLAGVDRLDKDLTIQMQGKFQMQVLPQCGHA  
 VHEDAPDKVAEAVATFLIRHRFAEPIGGFQCVFPGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

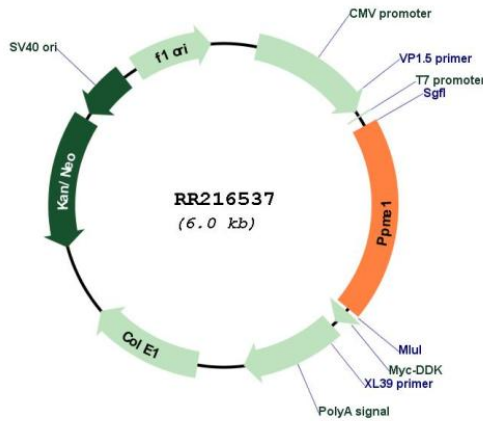
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001191838

<b>ORF Size:</b>	1158 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001191838.1</a> , <a href="#">NP_001178767.1</a>
<b>RefSeq Size:</b>	2436 bp
<b>RefSeq ORF:</b>	1161 bp
<b>Locus ID:</b>	361613
<b>UniProt ID:</b>	<a href="#">Q4FZT2</a>
<b>Cytogenetics:</b>	1q32
<b>MW:</b>	42.3 kDa
<b>Gene Summary:</b>	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]