

## Product datasheet for **MG206030**

### **Ppme1 (NM\_028292) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ppme1 (NM_028292) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppme1
Synonyms:	1110069N17Rik; 2700017M01Rik; PME-1; Pme1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206030 representing NM_028292 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGCCCTTGAAAAAGCATGCACCTCGGCCGCTACCTTCTCGCCCTCTACCCGGCAGCGGGG  
GCAGTCAGAGCGGAGCCAAGATGCGGATGGGCCCTGGACGGAAGCGGGACTTTACCCCTGTCCCATGGAG  
TCAGTACTTTGAGTCAATGGAAGATGTGGAAGTGGAGAATGAAACTGGCAAGGATACTTTTCGAGTTTAC  
AAGAGTGGTTCTGAGGGTCCAGTCTGCTGCTTTCATGGAGGAGGCCATTCGGCCCTTCTCGGGCAG  
TGTTACAGGCAGCAATCATCAGTAGAGTACAGTGTAGGATTGTGGCTCTGGATCTGCGAGGTCACGGAGA  
AACTAAAGTCAAGAATTCTGAAGACCTGTGACGAGAAACAATGGCAAAAGATGTTGGCAATGTGGTGGAA  
GCCATGTATGGAGACCTCCCTCCTCCAGTCATGCTGATTGGGCACAGCATGGGTGGGCCATTGCAGTGC  
ACACAGCCGCAGCTAACCTGGTACCAAGCCTCTTGGGCCCTTTCATGATTGATGTTGTAGAAGGTACCGC  
CATGGATGCACCTAATAGCATGCAGAAATTTCTTGGCTGGTTCGACCTAAAACCTTCAAGTCTTTGGAGAAT  
GCTATTGAATGGAGTGTGAAGAGTGGCCAGATTCGAAACCTTGTAGTCTGCCCGTGTATCCATGGTCGGCC  
AAGTCAAACAGTGTGAAGGAATTACAAGTCCAGAAGGTTCCAAATCCATAGTGAAGGAATCATAGAGGA  
GGAGGAAGAAGATGAGGAAGGAAGTGTAGTCAAGTAAACAAGAGGAAAAAGGAAAGACGACATGGAACCAAG  
AAGGATCACCCATACACCTGGAGAATTGAGCTGGCAAAAACAGAAAAGTACTGGGATGGCTGGTTCCGGG  
GCTTATCCAATCTTTCTTAGCTGTCCTATTCCTAAAAGTCTGCTCTTGGCAGGTGTTGACAGATTGGA  
TAAAGATCTGACCATAGGCCAGATGCAGGGGAAGTTCAGATGCAGGTCTTACCCAGTGTGGCCATGCA  
GTCCATGAGGATGCCCTGACAAGGTAGCTGAAGCTGTTGCCACTTCTGATCCGGCACAGTTTGCAG  
AGCCCATGGAGGATTCCAGTGTGTGTTTCTGGCTGC

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206030 representing NM\_028292  
 Red=Cloning site Green=Tags(s)

MSALEKSMHLGRPLSRPPLPGSGGSQSGAKMRMGPRKRDFTPVPWSQYFESMEDVEVENETGKDTFRVY  
 KSGSEGPVLLLLHGGGHSALSWAVFTAIIISRVQCRIVALDLRGHGETKVKNSEDL SAETMAKDVGNVVE  
 AMYGDLP PPVMLIGHSMGGAI AVHTAAANLVPSLLGLCMIDVVEGTAMDALNSMQNFLRGRPKTFKSL EN  
 AIEWSVKSGQIRNLESARVSMVGQVKQCEGITSPEGSKSIVEGIIEEEEEDEEGSESVNKRKKEDDMETK  
 KDHPYTWRIELAKTEKYWDGWFRLSNLFLSCLIPKLLLLAGVDRLDKDLTIGQMKGKFQMQVLPQCGHA  
 VHEDAPDKVAEAVATFLIRHRFAEPIGGFQCVFPGC

TRTRPLE - GFP Tag - V

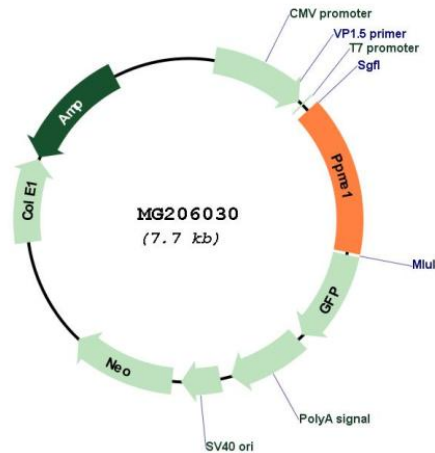
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_028292

<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_028292.2</a> , <a href="#">NP_082568.1</a>
<b>RefSeq Size:</b>	2361 bp
<b>RefSeq ORF:</b>	1161 bp
<b>Locus ID:</b>	72590
<b>UniProt ID:</b>	<a href="#">Q8BVQ5</a>
<b>Cytogenetics:</b>	7 E2
<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]