

## Product datasheet for **SC333066**

### PPME1 (NM\_001271593) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PPME1 (NM\_001271593) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PPME1  
**Synonyms:** ABDH19; PME-1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333066 representing NM\_001271593.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGTCGGCCCTCGAAAAGAGCATGCACCTCGGCCGCTTCCCTCTCGCCACCTCTACCCGGCAGCGGG
GGCAGTCAGAGCGGAGCCAAGATGCGAATGGGCCCTGGAAGAAAGCGGGACTTTTCCCCTGTTCTTGG
AGTCAGTATTTTGGAGTCCATGGAAGATGTAGAAGTAGAGAATGAACTGGCAAGGATACTTTTCGAGTC
TACAAGAGTGGTTCAGAGGGTCCAGTCTGCTCCTTCTGCATGGAGGAGGTCATTCTGCCCTTCTTGG
GCTGTGTTACGGCAGCGATTATTAGTAGAGTTCAGTGTAGGATTGTAGCTTTGGATCTGCGAAGTCAT
GGTGAAACAAAGGTCAAGAATCCTGAAGATCTGTCTGCAGAAACAATGGCAAAGACGTTGGCAATGTG
GTTGAAGCCATGTATGGGACCTTCTCCTCCAATTATGCTGATTGGACATAGCATGGGTGGTGCTATT
GCAGTCCACACAGCATCATCCAACCTGGTACCAAGCCTCTTGGGTCTGTGCATGATTGATGTTGTAGAA
GGTACAGCTATGGATGCACTTAATAGCATGCAGAAATTTCTACGGGGTCGTCTAAAACCTTCAAGTCT
CTGGAGAATGCTATTGAATGGAGTGTGAAGAGTGGCCAGATTCGAAATCTGGAGTCTGCCGTGTCTCA
ATGTTGGCCAAGTCAAACAGTGTGAAGGAATTAAGTCCAGAAGGCTCAAAATCTATAGTGAAGGA
ATCATAGAGGAAGAAGAAGAAGATGAGGAAGGAAGTGAAGTCTATAAGCAAGAGGAAAAAGGAAGATGAC
ATGGAGGGGTTGCCCTCGGAGACTCAGAACTTGTCTTATTCTCCAGACCAAGAAAGACCATCCATAC
ACCTGGAGAATTGAACTGGCAAAAACAGAAAAAATCTGGGACGGCTGGTCCGAGGCTTATCCAATCTC
TTTCTTAGTTGTCCATTCTAAATTGCTGCTTGGCTGGTGTGATAGATTGGATAAAGATCTGACC
ATTGGCCAGATGCAAGGGAAGTTCAGATGCAGGTCTACCCAGTGTGGCCATGCAGTCCATGAGGAT
GCCCTGACAAGGTAGCTGAAGCTGTTGCCACTTCTGATCCGGCACAGGTTTGCAGAACCATCGGT
GGATTCCAGTGTGTGTTTCTGGCTGTAG
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271593  
**Insert Size:** 1203 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).



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|                               |  |
|-------------------------------|--|
| <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>                | <u>NM_001271593.1</u>  |
| <b>RefSeq Size:</b>           | 2783 bp  |
| <b>RefSeq ORF:</b>            | 1203 bp  |
| <b>Locus ID:</b>              | 51400  |
| <b>UniProt ID:</b>            | <u>Q9Y570</u>  |
| <b>Cytogenetics:</b>          | 11q13.4  |
| <b>Protein Families:</b>      | Druggable Genome   |
| <b>MW:</b>                    | 43.9 kDa   |
| <b>Gene Summary:</b>          | <p>This gene encodes a protein phosphatase methylesterase localized to the nucleus. The encoded protein acts on the protein phosphatase-2A catalytic subunit and supports the ERK pathway through dephosphorylation of regulatory proteins. It plays a role in malignant glioma progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1. It encodes a longer protein (isoform b) compared to isoform a.</p> |