

## Product datasheet for **SC320680**

### PPME1 (NM\_016147) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPME1 (NM_016147) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPME1
Synonyms:	ABDH19; PME-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_016147.1  
 CAAAGGCGACAGGGCGTCTAGGGGAGCGAGTCGTGACCGGTTGGGCCACACTCAACGT  
 GGGACGAAGCTTCGCCTACTGTTTGACTACGTGCGTGCAGCCTCCCCTCGATGTCGGCCC  
 TCGAAAAGAGCATGCACCTCGGCCGCCTTCCCTCTCGCCACCTCTACCCGGCAGCGGGG  
 GCAGTCAGAGCGGAGCCAAGATGCGAATGGGCCCTGGAAGAAAGCGGGACTTTTCCCCTG  
 TTCCTTGGAGTCAGTATTTTGTAGTCCATGGAAGATGTAGAAGTAGAGAATGAAACTGGCA  
 AGGATACTTTTTCGAGTCTACAAGAGTGGTTCAGAGGGTCCAGTCCTGCTCCTTCTGCATG  
 GAGGAGGTCATTCTGCCCTTTCTGGGCTGTGTTACGGCAGCGATTATTAGTAGAGTTC  
 AGTGTAGGATTGTAGCTTTGGATCTGCGAAGTCATGGTGAACAAGGTCAAGAATCCTG  
 AAGATCTGTCTGCAGAAACAATGGCAAAAGACGTTGGCAATGTGGTTGAGCCATGTATG  
 GGGACCTTCTCCTCCAATTATGCTGATTGGACATAGCATGGGTGGTGTATTGCAGTCC  
 ACACAGCATCATCAACCTGGTACCAAGCCTCTGGGTCTGTGCATGATTGATGTTGTAG  
 AAGGTACAGCTATGGATGCACCTAATAGCATGCAGAATTTCTTACGGGGTGTCTAAAA  
 CCTTCAAGTCTCTGGAGAATGCTATTGAATGGAGTGTGAAGAGTGGCCAGATTGAAATC  
 TGGAGTCTGCCCGTGTCTCAATGGTTGGCCAAGTCAAACAGTGTGAAGGAATTACAAGTC  
 CAGAAGGCTCAAAATCTATAGTGAAGGAATCATAGAGGAAGAAGAAGAGATGAGGAAG  
 GAAGTGAGTCTATAAGCAAGAGGAAAAAGGAAGATGACATGGAGACCAAGAAAGACCATC  
 CATAACCTGGAGAATTGAACTGGCAAAAACAGAAAAATACTGGGACGGCTGGTCCGAG  
 GCTTATCCAATCTCTTCTTAGTTGTCCATTCTAAATGCTGCTCTTGGCTGGTGTG  
 ATAGATTGGATAAAGATCTGACCATTGGCCAGATGCAAGGGAAGTTCAGATGCAGGTCC  
 TACCCAGTGTGGCCATGCAGTCCATGAGGATGCCCTGACAAGGTAGCTGAAGCTGTTG  
 CCACTTTCCTGATCCGGCACAGGTTTGCAGAACCATCGGTGGATTCCAGTGTGTGTTTC  
 CTGGCTGTTAGTGACCTGCTGTCCACCCCTCTCAACATCGAGCTGTGTTGAAATACAT  
 CGCACCAGAGGCCACTGTGATGCCACTGTCTCCTCTCCATCCCGCCAGCCATGTGACAC  
 TGGCTCCCGGTAGACGGGACCCCGAGATGTACCAACCTTTTCATGTATTCTGCCAAAAG  
 CATTGTTTTCCAGGGCCCTTGACCAACATCGGCTTCCCAGTCCAGGGCTCCCCTGCTCC  
 TTTCCCTTCCCTGTACTGGGGTAGCTCCTGCTGCTCCTGCGTTGCCTAGGGTAAAG  
 CCTCCAGATTTGCCATACTGAGCCCTCTTCTAGCATCAGGCGATACATCTGAGTTCAA  
 ATGTCTTCCCAGGCTCAGGGACCTCCATCCTTGAGATTGTCTTGGCATGGCCAGCCCT  
 GCCTCATGGGATGGACAATGCATGGGGTGGTCTTTATTTTCCCTTTCAAATAAAACACT  
 AGTCAGGTACCGTTTTATCCCAGTCGACTCTTCCAGTTTGGAAAGCCAGAGAGGCCA  
 AGATCCCATCCTTAGCCATAGCGAGCGGTGGTGGATAGCATACAAGAAACGAGCCT  
 GAAAATCAGGTCCAGCCGGTCCAAGCACATGGCCTCCCATCTGGGAGAGCCCACTGTCCC  
 ACTCCCACATGTCTGGGCACCTGCCCTGGGCTGAGGCCAGGCTGTCCAGGGGCCCTCTG  
 CGCCCTCACCTGCCACAGAGCAACCCAGGTTAAATACAGCCCATGCACAAAGCCACAGGC  
 CAAAGCCTATGGAATTGTTTTAATCATCAAATTAACCATTTTCATAACTGGTTCCTGG  
 AGGTGTGCAGTGGCCCTTGCTCTTCAAACCTACAGCTTCTCTTTGCCATTTGTGGATT  
 TCACATCACTCCACACAGAAACATTACAGCCTGGCATCCCCAGTCTTTGCCTTCTCCAG  
 CTGCCTCGACACAGCACTGTGGCTGTCCCTATTGCCAGGCACGCCATTTCCAAGGGCA  
 GGAAGGGGCAGTGTCTGAAGCCATCTTTCTGTGACTGTCTTAGGTGATGTGTAGCCC  
 CCTCCACCTTTTCACTCAACAACCTCCCACCCCTGCTCCTGCTGCATGGTCCGGAGTCTGG  
 GACCTACTTTGTTTTTTGTTATTTATGACCTTGTTTAAAGAAAATAAATATCTCCCAACC  
 TTAATAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_016147

**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_016147.1</a> , <a href="#">NP_057231.1</a>
<b>RefSeq Size:</b>	2484 bp
<b>RefSeq ORF:</b>	1161 bp
<b>Locus ID:</b>	51400
<b>UniProt ID:</b>	<a href="#">Q9Y570</a>
<b>Cytogenetics:</b>	11q13.4
<b>Protein Families:</b>	Druggable Genome
<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 (1) represents the shorter transcript and encodes the shorter isoform (a).</p>