

Product datasheet for **SC114434**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114434 sequence for NM_016147 edited (data generated by NextGen Sequencing)

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ATGTCGGCCCTCGAAAAGAGCATGCACCTCGGCCCTTCCCTCTCGCCACCTCTACCC
GGCAGCGGGGCGAGTCAGAGCGGAGCCAAGATGCGAATGGGCCCTGGAAGAAAGCGGGAC
TTTTCCCTGTTCCCTGGAGTCAGTATTTTGTGTCATGGAAGATGTAGAAGTAGAGAAT
GAAACTGGCAAGGATACTTTTCGAGTCTACAAGAGTGGTTCAGAGGGTCCAGTCTGCTC
CTTCTGCATGGAGGAGGTCATTCTGCCCTTTCTGGGCTGTGTTACGGCAGCGATTATT
AGTAGAGTTCAGTGTAGGATTGTAGCTTTGGATCTGCGAAGTCATGGTGAACAAAGGTC
AAGAATCCTGAAGATCTGTCTGCAGAAACAATGGCAAAAGACGTTGGCAATGTGGTTGAA
GCCATGTATGGGGACCTCCTCCTCAATTATGCTGATTGGACATAGCATGGGTGGTGTCT
ATTGCAGTCCACACAGCATCATCAACCTGGTACCAAGCCTCTTGGGTCTGTGCATGATT
GATGTTGTAGAAGGTACAGCTATGGATGCACTTAATAGCATGCAGAATTTCTACGGGT
CGTCCTAAAACCTTCAAGTCTCTGGAGAATGCTATTGAATGGAGTGTGAAGAGTGCCAG
ATTCGAAATCTGGAGTCTGCCGTGTCTCAATGGTTGGCCAAGTCAAACAGTGTGAAGGA
ATTACAAGTCCAGAAGGCTCAAATCTATAGTGAAGGAATCATAGAGGAAGAAGAAGAA
GATGAGGAAGGAAGTGTCTATAAGCAAGAGGAAAAAGGAAGATGACATGGAGACCAAG
AAAGACCATCCATACACCTGGAGAATTGAACTGGCAAAAACAGAAAAATACTGGGACGGC
TGGTCCGAGGCTTATCCAATCTCTTTCTAGTTGTCCCATTCTAAATTGCTGCTCTTG
GCTGGTGTGATAGATTGGATAAAGATCTGACCATTGGCCAGATGCAAGGGAAGTTCCAG
ATCGAGGTCTACCCAGTGTGGCCATGCAGTCCATGAGGATGCCCTGACAAGGTAGCT
GAAGCTGTTGCCACTTCTGATCCGGCACAGTTTGCAGAACCATCGGTGGATTCCAG
TGTGTGTTTCTGGCTGTAG
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Clone variation with respect to NM_016147.1



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016147 unedited
 TTCAGGATTTGTAATACGACTCACTTATAGGGCGGCCGGAATCGGCACGAGGCCAAAGG
 CGACAGGGCGTCGTTAGGGGAGCGAGTCGTGACCGGTTGGGCCCACTCAACGTGGGACG
 AAGCTTCGCCTACTGTTTACTACGTGCGTGCAGCCTCCCTCGATGTCGGCCCTCGAAA
 AGAGCATGCACCTCGGCCGCCTCCCTCTCGCCACCTTACCCGGCAGCGGGGGCAGTC
 AGAGCGGAGCCAAGATGCGAATGGGCCCTGGAAGAAAGCGGGACTTTCCCTGTTCTT
 GGAGTCAGTATTTGAGTCCATGGAAGATGTAGAAGTAGAGAATGAAACTGGCAAGGATA
 CTTTTCGAGTCTACAAGAGTGGTTCAGAGGGTCCAGTCTCTCTTCTGCATGGAGGAG
 GTCATTCTGCCCTTTCTTGGGCTGTGTTACGGCAGCGATTATTAGTAGAGTTTCACTGTA
 GGATTGTAGCTTTGGATCTGCGAAGTCATGGTGAACAAAGTCAAGAATCCTGAAGATC
 TGTCTGCAGAAACAATGGCAAAAGACGTTGGCAATGTGGTTGAAGCCATGTATGGGGACC
 TTCCTCTCCAATTATGCTGATTGGACATAGCATGGGTGGTGTCTATTGCAGTCCACACAG
 CATCATCAACCTGGTACCAAGCCTCTTGGGTCTGTGCATGATTGATGTTGTANAAAAGTA
 CAGCTATGGATGCACTTAATAGCATGCAGAATTTCTTACGGGGTCCGTCCTAAAACCTCC
 AAGTCTCTGGAGAATGCTATTGAATGGAGTGTGAAGAGTGGCCCCATTCCAAATCTGGAG
 TCTGCCCGGTCTCAATGTTGGCCAGCCCAACAGTGTGAAGGAATTACCAGTTCCGTAGG
 GCTCAAATCTATAGTGCACGGATCCTACAGGAAGAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016147 unedited
 AAGAAGCTAGGGGGANTATTTAACCTTNCCTTTTAAACAGGGTCATAAATAACAAAAACAA
 GTAGTCCAGACTCCGGACCATGCAGCAGGACAGGGTGGGAGGTTGTTGAGTGGAAAG
 GTGGAGGGGGCTACACATCACCTAAGACAGTCACAGAAAAGATGGGCTTCAGGACACTGC
 CCCTTCTGCCCTTGAAATGGCGTGCCTGGGCAATAGGGACAGGCCACAGTGTGTGTC
 GAGGCAGCTGGAAGAAGGCAAGACTGGGGATGCCAGGCTGTAATGTTTCTGTGTGGAGT
 GATGTGAAATCCACAAATGGCAAAGAGAAGCTGTAGGTTTGAAGAAGCAAGGGGGCACTG
 CACACCTCCAGGAACAGTTATGAAAATGGTTAAATTTGATGATTAACAAATCCATA
 GGCTTTGGCCTGTGGCTTTGTGCATGGGCTGTATTTAACCTGGGTTGCTCTGTGGCAGGT
 GAGGGCGCAGGAGGCCCTGGAGCAGCCTGGCCTCAGCCAGGGCAGGTGCCAGACATG
 TGGGAGTGGGACAGTGGGCTCTCCAGATGGGAGGCCATGTGCTTGGACCGGCTGGACCT
 GATTTTCAAGCTCGTTTCTGTGATGCTATCCACCACCACCGCTCGCTATGGCTAAGGAT
 GGATCTTGGCCTCTCTGGGCTTCCAAACCTGGAAGAGTACGACTGGGATAAAACCGTA
 CCTGACTAGTGTTTTATTTGAAAGGGAAAAATAAAGACCCACCCATGCATTGTCCATCC
 CATGAAGGCAGGCTGGGCCATGCCAAGACAATCTCAAGAATGGAGTCCCTGAGCCTGGG
 AAGACATTTGAACTCANATGTTCCGCTGAGCTAGGAAAAAGGCTCAATATTGCCAAACC
 TGGAGGCTTTACCCTAGGCACCCAGGGAGAGCCGG

Restriction Sites:

NotI-NotI

ACCN:

NM_016147

Insert Size:

2620 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).

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_016147.1](#), [NP_057231.1](#)

RefSeq Size: 2484 bp

RefSeq ORF: 1161 bp

Locus ID: 51400

UniProt ID: [Q9Y570](#)

Cytogenetics: 11q13.4

Protein Families: Druggable Genome

Gene Summary: 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]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (a).