

Product datasheet for **RG233982**

PPME1 (NM_001271593) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPME1 (NM_001271593) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPME1
Synonyms:	ABDH19; PME-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233982 representing NM_001271593 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCCCTCGAAAAGAGCATGCACCTCGGCCCTTCCCTCTCGCCACCTTACCCGGCAGCGGGG
GCAGTCAGAGCGGAGCCAAGATGCGAATGGGCCCTGGAAGAAAGCGGGACTTTCCCTGTTCTTGGAG
TCAGTATTTGAGTCCATGGAAGATGTAGAAGTAGAGAATGAAACTGGCAAGGATACTTTTCGAGTCTAC
AAGAGTGGTTCAGAGGGTCCAGTCTGCTCTTCTGCATGGAGGAGGTCATTCTGCCCTTCTTGGGCTG
TGTTACGGCAGCGATTATTAGTAGAGTTCAGTGTAGGATTGTAGCTTTGGATCTGCGAAGTCATGGTGA
AACAAAGGTCAAGAATCCTGAAGATCTGTCTGCAGAAACAATGGCAAAAGACGTTGGCAATGTGGTTGAA
GCCATGTATGGGGACCTTCTCCTCCAATTATGCTGATTGGACATAGCATGGGTGGTCTATTGCAGTCC
ACACAGCATCATCCAACCTGGTACCAAGCCTCTTGGGTCTGTGCATGATTGATGTTGTAGAAGGTACAGC
TATGGATGCACCTAATAGCATGCAGAAATTTCTTACGGGGTCGTCCTAAAACCTTCAAGTCTCTGGAGAAT
GCTATTGAATGGAGTGTGAAGAGTGGCCAGATTCGAAATCTGGAGTCTGCCCGTGTCTCAATGGTTGGCC
AAGTCAAACAGTGTGAAGGAATTACAAGTCCAGAAGGCTCAAAATCTATAGTGAAGGAATCATAGAGGA
AGAAGAAGAAGATGAGGAAGGAAGTGAAGTCTATAAGCAAGAGGAAAAAGGAAGATGACATGGAGGGTTG
CCCTCGGAGACTCAGAACTTGCTCTTATTCCTCCAGACCAAGAAAGACCATCCATACACCTGGAGAAATG
AACTGGCAAAAACAGAAAAATACTGGGACGGCTGGTTCGAGGCTTATCCAATCTTTCTTAGTTGTCC
CATTCTAAAATTGCTGCTTGGCTGGTGTGATAGATTGGATAAAGATCTGACCATTGGCCAGATGCAA
GGGAAGTTCAGATGCAGGTCTACCCAGTGTGGCCATGCAGTCCATGAGGATGCCCTGACAAGGTAG
CTGAAGCTGTTGCCACTTCTGATCCGGCACAGGTTTGCAGAACCATCGGTGGATTCCAGTGTGTGT
TCCTGGCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233982 representing NM_001271593
 Red=Cloning site Green=Tags(s)

MSALEKSMHLGRLPSRPPLPGSGGSQSGAKMRMGPRKRDFSPVPWSQYFESMEDVEVENETGKDTFRVY
 KSGSEGPVLLLLHGGGHSALSWAVFTAIIISRVQCRIVALDLRSHGETKVKNPEDLSAETMAKDVGNVVE
 AMYGDLPPIMLIGHSMGGAIIVHTASSNLVPSLLGLCMIDVVEGTAMDALNSMQNFLRGRPKTFKSLN
 AIEWSVKSGQIRNLESARVSMVGVKQCEGITSPEGSKSIVEGIEEEEEDEEGSESISKRKKEDDMEGL
 PSETQNLNLLFLQTKKDPYTWRIELAKTEKYWDGWFRGLSNLFLSCPIPKLLLLAGVDRLDKDLTIGQM
 QGKFMQVLPQCGHAVHEDAPDKVAEAVATFLIRHRFAEPIGGFQCVFPGC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271593

ORF Size: 1200 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001271593.2](#)

RefSeq Size: 2783 bp

RefSeq ORF: 1203 bp

Locus ID: 51400

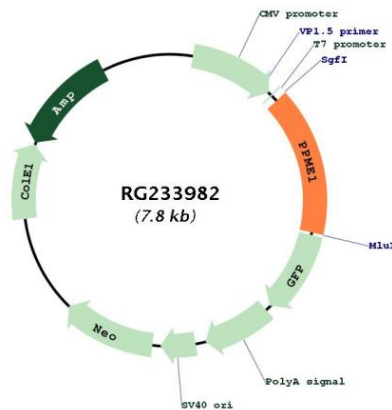
UniProt ID: [Q9Y570](#)

Cytogenetics: 11q13.4

Protein Families: Druggable Genome

Gene Summary: This gene encodes a protein phosphatase methyltransferase 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]

Product images:



Circular map for RG233982