

Product datasheet for RC233982

PPME1 (NM_001271593) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PPME1 (NM_001271593) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PPME1
Synonyms: ABDH19; PME-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233982 representing NM_001271593
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGCCCTCGAAAAGAGCATGCACCTCGGCCCTTCCCTCTCGCCACCTCTACCCGGCAGCGGGG
 GCAGTCAGAGCGGAGCCAAGATGCGAATGGGCCCTGGAAGAAAGCGGGACTTTCCCTGTTCTTGGAG
 TCAGTATTTGAGTCCATGGAAGATGTAGAAGTAGAGAATGAAACTGGCAAGGATACTTTTCGAGTCTAC
 AAGAGTGGTTCAGAGGGTCCAGTCTGCTCTTCTGCATGGAGGAGGTCATTCTGCCCTTCTTGGGCTG
 TGTTACGGCAGCGATTATTAGTAGAGTTCAGTGTAGGATTGTAGCTTTGGATCTGCGAAGTCATGGTGA
 AACAAAGGTCAAGAATCCTGAAGATCTGTCTGCAGAAACAATGGCAAAAGACGTTGGCAATGTGGTTGAA
 GCCATGTATGGGGACCTTCTCCTCCAATTATGCTGATTGGACATAGCATGGGTGGTCTATTGCAGTCC
 ACACAGCATCATCCAACCTGGTACCAAGCCTCTTGGGTCTGTGCATGATTGATGTTGTAGAAGGTACAGC
 TATGGATGCACCTAATAGCATGCAGAAATTTCTTACGGGGTCGTCCTAAAACCTTCAAGTCTCTGGAGAAT
 GCTATTGAATGGAGTGTGAAGAGTGGCCAGATTCGAAATCTGGAGTCTGCCCGTGTCTCAATGGTTGGCC
 AAGTCAAACAGTGTGAAGGAATTACAAGTCCAGAAGGCTCAAAATCTATAGTGAAGGAATCATAGAGGA
 AGAAGAAGAAGATGAGGAAGGAAGTGAAGTCTATAAGCAAGAGGAAAAAGGAAGATGACATGGAGGGTTG
 CCCTCGGAGACTCAGAACTTGCTTTATTCCTCCAGACCAAGAAAGACCATCCATACACCTGGAGAATTG
 AACTGGCAAAAACAGAAAAATACTGGGACGGCTGGTTCGAGGCTTATCCAATCTTTCTTAGTTGTCC
 CATTCTAAAATTGCTGCTTGGCTGGTGTGATAGATTGGATAAAGATCTGACCATTGGCCAGATGCAA
 GGGAAAGTCCAGATGCAGGTCTACCCAGTGTGGCCATGCAGTCCATGAGGATGCCCTGACAAGGTAG
 CTGAAGCTGTTGCCACTTCTGATCCGGCACAGGTTTGCAGAACCATCGGTGGATTCCAGTGTGTGT
 TCTGGCTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233982 representing NM_001271593
 Red=Cloning site Green=Tags(s)

MSALEKSMHLGRLPSRPPLPGSGGSQSGAKMRMGPRKRDFSPVPWSQYFESMEDVEVENETGKDTFRVY
 KSGSEGPVLLLLHGGGHSALSWAVFTAIIISRVQCRIVALDLRSHGETKVKNPEDLSAETMAKDVGNVVE
 AMYGLPPPIMLIGHSMGGAIIVHTASSNLVPSLLGLCMIDVVEGTAMDALNSMQNFLRGRPKTFKSLN
 AIEWSVKSGQIRNLESARVSMVGQVKQCEGITSPEGSKSIVEGIIEEEEDEEGSEISKRKKEDDMEGL
 PSETQNLFLQTKKDPYTWRIELAKTEKYWDGWFRGLSNLFLSCPIPKLLLLAGVDRDKDLTIQMQ
 GKFMQVLPQCGHAVHEDAPDKVAEAVATFLIRHRFAEPIGGFQCVFPGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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](#)

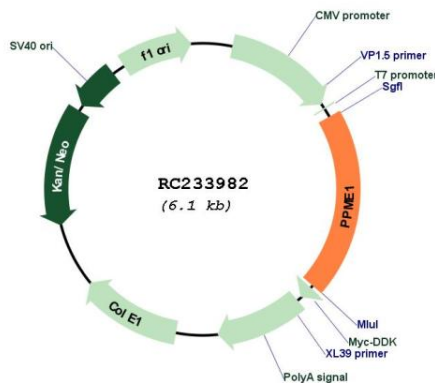
Cytogenetics: 11q13.4

Protein Families: Druggable Genome

MW: 44.3 kDa

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]

Product images:



Circular map for RC233982