

Product datasheet for **MC226903**

Ppt2 (NM_001302394) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppt2 (NM_001302394) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ppt2
Synonyms: 0610007M19Rik; AA672937
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226903 representing NM_001302394
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGGGGCTATGGAGGCAGAGGCTTCCTTCGGCTTGGGCTTTGCTTCTCTGCCGTTCTCTGCCGCTGC
 TGATGCCCGCAGCCCCGACGCCACCGGGTCTACAAGCCCGTGATCGTGGTGCACGGGCTCTTTGA
 CAGTTCATACAGCTTCCGCCACCTGCTGGACTATATCAATGAGACACACCGGGACTGTGGTGACAGTG
 CTTGATCTCTTCGATGGCAGAGAGATTTGCGGCCCTGTGGAAACAGGTACAAGGGTCCGAGAGGCTG
 TGGTCCCATCATGAAAAGGCCCTGAAGGAGTGCACCTCATCTGCTACTCCCAGGGGGCCCTGGTGTG
 CCGTGTCTTGTCTGTGTATGGATAACCACAATGTGGACTCTTTCATCTCCCTCTCTCCCCACAGATG
 GGCCAGTATGGAGACACGGACTATTTGAAATGGCTCTTCCCCACGTCCATGCGGTCTAACCTCTATCGGG
 TCTGCTATAGTCCTTGGGGCCAGGAATTTCCATTTGCACTACTGGCAGATCCTACCACGATGACTT
 GTACCTCAATGCCAGCAGCTTTCTGGCCCTCATCAATGGGAAAGAGACCATCCAATGCCACTGCATGG
 CGGAAGAACTTCCTTCGCGTGGCCGTCTGGTGTGATTGGGGTCTGATGATGGCGTTATCACTCCCT
 GGCAATCTAGCTTCTTTGGTTTCTATGATGCCAATGAGACAGTTCTGGAGATGGAGGAGCAGCCGGTGA
 TCTTCGAGATTCTTTGGTTGAAGACTCTCTGGCCCGGGGGCCATAGTGAGGTGCCATGGCTGGC
 ATCTCTCACACCAGTGGCACTTAACCGTACGCTCTACGATACTTGATTGAGCCGTGGCTCTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302394
Insert Size: 909 bp



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| 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). |
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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: | <ol style="list-style-type: none"> 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: | <u>NM_001302394.1</u> , <u>NP_001289323.1</u> |
| RefSeq Size: | 1683 bp |
| RefSeq ORF: | 909 bp |
| Locus ID: | 54397 |
| UniProt ID: | <u>O35448</u> |
| Cytogenetics: | 17 18.19 cM |
| Gene Summary: | <p>Removes thioester-linked fatty acyl groups from various substrates including S-palmitoyl-CoA. Has the highest S-thioesterase activity for the acyl groups palmitic and myristic acid followed by other short- and long-chain acyl substrates. However, because of structural constraints, is unable to remove palmitate from peptides or proteins (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All the variants encode the same protein.</p> |