

## Product datasheet for **MG218476**

### Ppt1 (NM\_008917) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ppt1 (NM_008917) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppt1
Synonyms:	9530043G02Rik; AA960502; C77813; CLN1; D4Ertd184e; INCL; PPT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218476 representing NM_008917 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTCGTCCTGTTTCGCGGAGGCTGCTAGCTGCCGCTCTGCTGCCTTGGTGCTGCGCCGCTGGGCC  
TGGGGCATCTGGACCCACCTTCACCACCACCGCTGGTGATCTGGCATGGGATGGGGACAGCTGTTGTAA  
CCCCATGAGCATGGGTGTCATTAAGGATGGTTGAAAAAGAAATACCTGGGATTTACGTCCTGTCTCTA  
GAGATTGGGAAGAACATGATGGAGGATGTGAGAACAGCTTCTTCTGAATGTTAATGTCCAAGTCAACA  
TGGTGTGTCAGATTCTGAAAAGGATCCTAAGTTGCAGCAGGGATACAATGCTATTGGCTTCTCCAGGG  
AGGCCAGTTCCTGAGGGCAGTGGCTCAGAGATGCCAACACCTCCCATGATGACCCTGATCTCAGTTGGA  
GGACAACATCAAGGTGTCTTTGGACTCCCCGATGCCAGGAGAGAGTTCTCACATCTGCGACTTCATCA  
GGAAGTCACTTAATGCCGGTGCTTACTCCAACTGTGCAAGAACGCCTGGTGAAGCACAGTACTGGCA  
TGACCCTATCAAGGAGAGTGTGTACCGAACTACAGCATCTTCTTGGCAGACATAAATCAAGAGAGGTGT  
GTCAATGAGTCTACAAGAAGACCTGATGGCCCTCAAGAAGTTTGTGATGGTGAATTCCTTAATGATT  
CCATTGTGGACCCTGTCGACTCTGAGTGGTTTGGATTTACAGAAGTGGCCAAGTAAGGAAACCATTC  
CCTCCAGGAGAGCACTCTATACAGAGGACCGCTGGGGCTAAAGAAAATGGACAAAGCAGGAAAGCTA  
GTGTTTCTGGCTAAGGAAGGGGACCATCTCAAATATCTAAAGAATGGTTTACTGCCACATCATACCTT  
TTCTTAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218476 representing NM\_008917  
 Red=Cloning site Green=Tags(s)

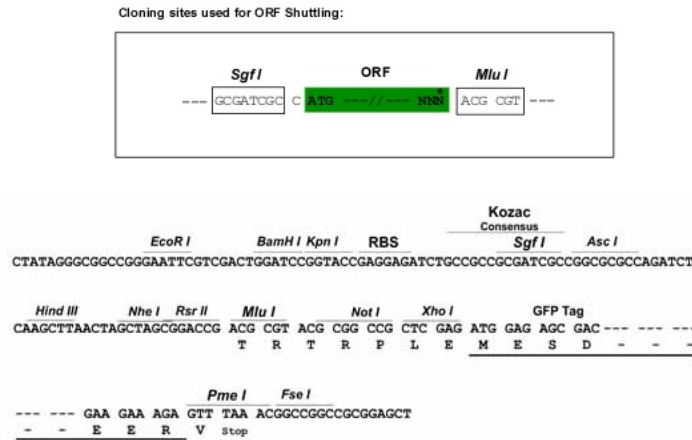
MASSCSRLLAAALLPWCCAALWGLDPPSPPLVIWHGMGDSCCNPMMSGVIKKMVEKEIPGIYVLSL  
 EIGKNMEDVENSFFLNVNQVNMVCQILEKDPKLOQQYNAIGFSQGGQFLRAVAQRCTPPMMLISVG  
 GQHOGVFLPRCPGESSHICDFIRKSLNAGAYSKLVQERLVQAQYWHDPKESVYRNYSIFLADINQERC  
 VNESYKKNLMALKKFVMVKFFNDSIVDPVDSEWFGFYRSGQAKETIPLQESTLYTEDRLGLKKMDKAGKL  
 VFLAKEGDHLQISKEWFTAHIIPFLK

TRTRPLE - GFP Tag - V

Chromatograms: [https://cdn.origene.com/chromatograms/ja2260\\_g02.zip](https://cdn.origene.com/chromatograms/ja2260_g02.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_008917

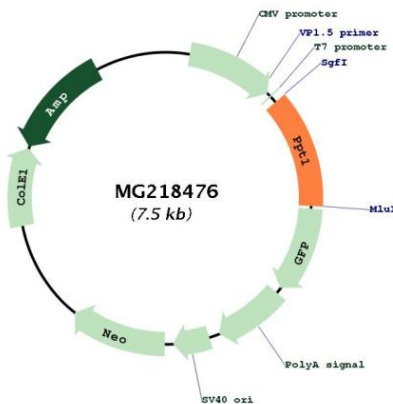
ORF Size: 918 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<u><a href="#">NM_008917.3</a></u> , <u><a href="#">NP_032943.2</a></u>
<b>RefSeq Size:</b>	2493 bp
<b>RefSeq ORF:</b>	921 bp
<b>Locus ID:</b>	19063
<b>UniProt ID:</b>	<u><a href="#">O88531</a></u>
<b>Cytogenetics:</b>	4 57.27 cM
<b>Gene Summary:</b>	Removes thioester-linked fatty acyl groups such as palmitate from modified cysteine residues in proteins or peptides during lysosomal degradation. Prefers acyl chain lengths of 14 to 18 carbons.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG218476