

## Product datasheet for **MG204224**

### Ppt2 (NM\_019441) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ppt2 (NM\_019441) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ppt2  
**Synonyms:** 0610007M19Rik; AA672937  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG204224 representing NM\_019441  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCGGGGCTATGGAGGCAGAGGCTTCCTTCGGCTTGGGCTTTGCTTCTCCTGCCGTTCTGCCGCTGC  
 TGATGCCCGCAGCCCCGCAGCCACCGCGGGTCTACAAGCCCGTGATCGTGGTGACAGGGCTCTTTGA  
 CAGTTCATACAGCTTCGCCACCTGCTGGACTATATCAATGAGACACACACCGGGACTGTGGTGACAGTG  
 CTTGATCTCTTCGATGGCAGAGAGAGTTTTCGGCCCTGTGGAAACAGGTACAAGGGTCCGAGAGGCTG  
 TGGTCCCCATCATGGAAAAGGCCCTGAAGGAGTGCACCTCATCTGCTACTCCCAGGGGGCCTGGTGTG  
 CCGTGTCTTGTCTGTGATGGATAACCACAATGTGGACTCTTTCATCTCCCTCTCTCCACAGATG  
 GGCCAGTATGGAGACACGGACTATTTGAAATGGCTCTTCCCACGTCCATGCGGTCTAACCTCTATCGGG  
 TCTGCTATAGTCCTTGGGGCCAGGAATTTCCATTTGCAACTACTGGCACGATCCTCACCAGATGACTT  
 GTACCTCAATGCCAGCAGCTTTCTGGCCCTCATCAATGGGGAAAGAGACCATCCCAATGCCACTGCATGG  
 CGGAAGAACTTCTTCGCGTGGGCCGTCTGGTCTGATTGGGGTCTGATGATGGCGTTATCACTCCCT  
 GGCAATCTAGCTTCTTTGGTTTCTATGATGCCAATGAGACAGTTCTGGAGATGGAGGAGCAGCCGGTGA  
 TCTTCGAGATTCTTTGGTTTGAAGACTCTCTGGCCCGGGGGCCATAGTGAGGTGTCCCATGGCTGCC  
 ATCTCTCACACCAGTGGCACTTAACCGTACGCTCTACGATACTTGCAATTGAGCCGTGGCTCTCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204224 representing NM\_019441  
Red=Cloning site Green=Tags(s)

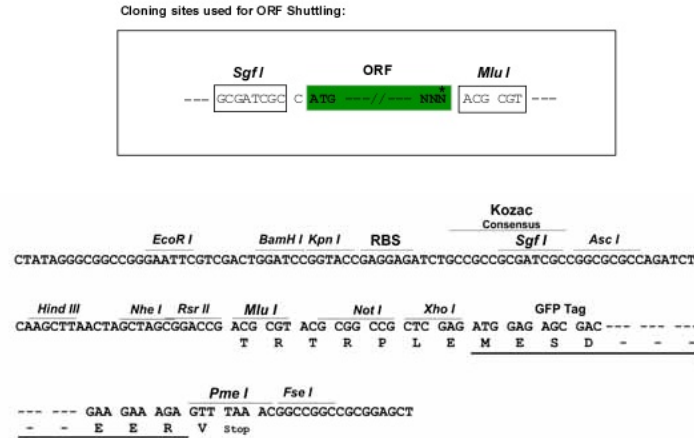
MPGLWRQLPSAWALLLLPFLPLLMPAAPAAHRGSYKPVIVVHGLFDSSYSFRHLLDYINETHGTGVTV  
 LDLFDGRESRLPLWEVQGFREAVVPIMEKAPEGVHLICYSQGGLVCRALLSVMDNHNVDSEISLSSPQM  
 GQYGD TDY LKWL FPT SMR SNLY RVCYSPWGQEF S ICNYWHDPHHDDL YLNASSFLAL INGERDHPNATAW  
 RKNFLRVGRLVLIGGPD DG VITPWQSSFFGFYDANETVLEMEEQPVYL RDSFGLK TLLARGAIVRCPMAG  
 ISHTTWHSNR TLYDTCIEPWLS

TRTRPLE - GFP Tag - V

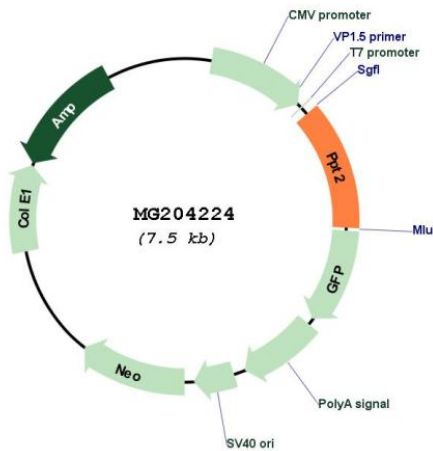
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_019441

**ORF Size:** 906 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>	<a href="#">NM_019441.5</a>
<b>RefSeq Size:</b>	1770 bp
<b>RefSeq ORF:</b>	909 bp
<b>Locus ID:</b>	54397
<b>UniProt ID:</b>	<a href="#">O35448</a>
<b>Cytogenetics:</b>	17 18.19 cM
<b>Gene Summary:</b>	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]