

## Product datasheet for **SC331493**

### **PPT2 (NM\_001204103) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** PPT2 (NM\_001204103) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PPT2  
**Synonyms:** C6orf8; G14; PPT-2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331493 representing NM\_001204103.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCTGGGGCTCTGCGGGCAGCGGCTCCCCGCGGCGTGGGTCTGCTTCTGTTGCCTTTCTGCCGCTG
CTGCTGCTTGCAGCCCCGCGCCCCACCGCGCTCCTACAAGCCGGTCATCGTGGTGCATGGGCTCTTC
GACAGCTCGTACAGCTTCCGCCACCTGCTGGAATACATCAATGAGACACACCCCGGGACTGTGGTGACA
GTGCTCGATCTTTCGATGGGAGAGAGAGCTTGGCACCCTGTGGGAACAGGTGCAAGGGTTCGAGAG
GCTGTGGTCCCATCATGGCAAAGGCCCTCAAGGGGTGCATCTCATCTGCTACTCGAGGGGGCCTT
GTGTGCCGGGCTCTGCTTCTGTGATGGATGATCACACGTGGATTCTTTCATCTCCCTCTCTCTCCA
CAGATGGGACAGTATGGAGACACGGACTACTTGAAGTGGCTGTTCCACCTCCATGCGGTCTAACCTC
TATCGGATCTGCTATAGCCCCTGGGGCCAGGAATTCTCCATCTGCAACTACTGGCATGATCCCCACCAC
GATGACTTGTACCTCAATGCCAGCAGCTTCTGGCCCTGATCAATGGGAAAGAGACCATCCCAATGCC
ACAGTATGGCGGAAGAATTTCTGCGTGTGGGCCACCTGGTGTGATTGGGGGCCCTGATGATGGTGT
ATTACTCCCTGGCAGTCCAGCTTCTTGGTTTCTATGATGCAAATGAGACCGTCTGGAGATGGAGGAG
CAACTGGTTTATCTGCGGGATTCTTTGGTTGAAGACTCTATTGGCCCGGGGGCCATAGTGAGGTGT
CCAATGGCCGGTATCTCCACACAGCCTGGCACTCCAACCGTACCCTTTATGAGACCTGCATTGAACCT
TGGCTCTCCTGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001204103  
**Insert Size:** 909 bp  
**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).  
**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\\_001204103.1](#)

**RefSeq Size:** 2053 bp

**RefSeq ORF:** 909 bp

**Locus ID:** 9374

**UniProt ID:** [Q9UMR5](#)

**Cytogenetics:** 6p21.32

**Protein Families:** Transmembrane

**Protein Pathways:** Fatty acid elongation in mitochondria, Lysosome, Metabolic pathways

**MW:** 34.2 kDa

**Gene Summary:** This gene encodes a member of the palmitoyl-protein thioesterase family. The encoded glycosylated lysosomal protein has palmitoyl-CoA hydrolase activity in vitro, but does not hydrolyze palmitate from cysteine residues in proteins. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream EGFL8 (EGF-like-domain, multiple 8) gene. [provided by RefSeq, Feb 2011]  
Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Both variants 1 and 3 encode the same isoform (a).