

Product datasheet for **SC320220**

PPT2 (NM_005155) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPT2 (NM_005155) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPT2
Synonyms:	C6orf8; G14; PPT-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005155, the custom clone sequence may differ by one or more nucleotides

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ATGCTGGGGCTCTGCGGGCAGCGGCTCCCCGCGGCGTGGGTCCTGCTTCTGTTGCCTTTCTGCCGCTGC
TGCTGCTTGACAGCCCCGCGCCCCACCGCGCTCCTACAAGCCGGTCATCGTGGTGCATGGGCTCTTCGA
CAGCTCGTACAGCTTCCGCCACCTGCTGGAATACATCAATGAGACACACCCCGGGACTGTGGTGACAGTG
CTCGATCTCTTCGATGGGAGAGAGAGCTTGGCACCCTGTGGGAACAGGTGCAAGGGTCCGAGAGGCTG
TGGTCCCCATCATGGCAAAGGCCCTCAAGGGGTGCATCTCATCTGCTACTCGCAGGGGGCCTTGTGTG
CCGGGCTCTGCTTCTGTCATGGATGATACAACGTGGATTCTTTCATCTCCCTCTCTCCACAGATG
GGACAGTATGGAGACACGGACTACTTGAAGTGGCTGTTCCCCACCTCCATGCGGTCTAACCTCTATCGGA
TCTGCTATAGCCCTGGGGCCAGGAATTCTCCATCTGCAACTACTGGCATGATCCCACACGATGACTT
GTACCTCAATGCCAGCAGCTTCTTGCCCTGATCAATGGGAAAGAGACCATCCCAATGCCACAGTATGG
CGGAAGAACTTTCTGCGTGTGGGCCACCTGGTGTGATTGGGGCCCTGATGATGGTGTATTACTCCCT
GGCAGTCCAGCTTCTTTGGTTTCTATGATGAAATGAGACCGTCTGGAGATGGAGGAGCAACTGGTTTA
TCTGCGGGATTCTTTGGTTGAAGACTCTATTGGCCCGGGGGCCATAGTGAGGTGTCCAATGGCCGGT
ATCTCCACACAGCCTGGCACTCCAACCGTACCCTTTATGAGACCTGCATTGAACCTTGGCTCTCCTGA
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Restriction Sites:	Please inquire
ACCN:	NM_005155
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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_005155.5 , NP_005146.3
RefSeq Size:	2202 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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the shorter isoform (a). Both variants 1 and 3 encode the same isoform.</p>