

Product datasheet for SC120716

PPTC7 (NM_139283) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPTC7 (NM_139283) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPTC7
Synonyms:	TA-PP2C; TAPP2C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120716 sequence for NM_139283 edited (data generated by NextGen Sequencing)

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ATGTTCTCGGTCTCTCGTACGGGCGGCTGGTGGCCCGCCCGTCTCGGCGGCCTCTCG
CAGACCGACCCCAGGGCCGGCGGCGGCGGCGGCGGCGACTACGGACTGGTACGGCCGGC
TGCGGCTTCGGGAAGGACTTCCGTAAGGGCCTCCTCAAGAAGGGCGCGTGCTACGGGGAC
GACGCGTGCTTCGTGGCCCGGCACCGTTCCGCGGACGTGCTCGGGGTTCAGATGGTGTA
GGAGGCTGGAGAGACTATGGAGTTGATCCATCTCAATTCTCAGGGACTTTAATGCGGACG
TGTGAACGTTTAGTAAAAGAAGGACGGTTCGTACCTAGTAATCCCATTGGAATTCTCACC
ACAAGCTACTGTGAGTTGCTGCAAATAAAGTCCCTTTGCTCGGTAGCAGCACCGCCTGC
ATTGTTGGTGTGGACAGAACCAGCCACCGCTTACACACAGCAAACCTGGGCGATTCAGGC
TTCTTGGTTGTCAGGGGTGGTGAAGTCTGCACCGATCAGATGAGCAGCAGCATTACTTC
AACACTCCATTCCAGCTCTCAATCGCTCCCCCTGAAAGCCGAGGGAGTCGTCTTGAGCGAC
AGTCCGGATGCTGCTGATAGCACGTCTTTCGATGTCCAGCTAGGAGACATTATCCTGACG
GCAACAGATGGACTCTTTGACAACATGCCTGATTATATGATTCTTCAGGAGCTAAAAAAG
TTAAAGAATTCAAATTATGAGAGTATAACAAGACTGCCAGAAGCATTGCTGAGCAAGCT
CATGAGCTGGCCTATGACCCAAATTATATGTCACCTTTTGACAGTTTGCATGTGACAAT
GGATTGAATGTGAGAGGTGAAAGCCAGATGACATCACCGTCTTCTTTCAATAGTGGCT
GAGTATACAGACTAG

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Clone variation with respect to NM_139283.1



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_139283 unedited NAAAAGCGGTcANGATTTAGTAATACGACTTCACTATAGGGCGGCGGCGNAATTCGCACG AAAAGAGGCGGCGGCGGCGGCGGCGGCGCTGCAGCCGGGACTTCAGTTGGGCTGAGGCGGAG GAGCCGCCGCTTCTGACCTCGCTCTGGCTCCGGTGCAGCGGCGGCTGAGCGCGTGCGAGGCC CCGCGCGTCCGGCAGGGGCGGCGGCGGCGGCACTGCGCGCCGCCCTGAGGAGCGCCCCAGCG GCGGCCCGACTGCGGCTGAGGAGAGAGCCGGCTCCGGGCCCTCCGCGTCTCTCTGCTCCCC CGGCCCCCGCCTCCTCGGGGGGCGGCGGCGGCGGATGTTCTCGGTCCTCTCGTACGGCG GGCTGGTGGCCCCGCGCGTCTCGGCGGCTCTCGCAGACCGACCCAGGGCCGCGCGGCG GCGGCGGCGGCGACTACGGACTGGTGACGGCGGCTGCGGCTTCGGGAAGGACTTCCGTA AGGGCCTCCTCAAGAAGGGCGCGTCTACGGGACGACGCGTCTCGTGGCCCCGACCC GTTCCGCGGACGTCTCGGGTTGCAGATGGTGTANGAGGCTGGAGAGACTATGGAGTTG ATCCATCTCAATTCTCAGGGACTTAAATGCGGACGTGTGAACGTTTAGTAAAAGAAGGAC GGTTCTGACTAGTAATCCATTGGAATTCTACCACAAGCTACTGTGAGTTGCTGCAAA ATAAAGTCCCTTTGCTCGGTAGCAGCACCAGCTGCATTGTGGTGTGGACAGAACCAGCC ACCGATTACACACAGCAAACCTTGCGGATTTAGCCTCCTGGTTGTCGGGGGTGGTGAAGT CGTGCCCCGATCATATGAGCAGCAGCATTACTTAACACTTCATTACAGCTTCATCGCTCCC CTAACCGAGGAG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_139283
Insert Size:	4700 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:	<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_139283.1 , NP_644812.1
RefSeq Size:	3748 bp
RefSeq ORF:	915 bp
Locus ID:	160760
UniProt ID:	Q8NI37
Cytogenetics:	12q24.11
Protein Families:	Druggable Genome, Phosphatase

Gene Summary:

Protein phosphatase which positively regulates biosynthesis of the ubiquinone, coenzyme Q (PubMed:30267671). Dephosphorylates the ubiquinone biosynthesis protein COQ7 which is likely to lead to its activation (PubMed:30267671).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer, protein-coding transcript.