

Product datasheet for **SC105786**

PDSS2 (AF086233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDSS2 (AF086233) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDSS2
Synonyms:	bA59I9.3; C6orf210; COQ10D3; DLP1; hDLP1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AF086233, the custom clone sequence may differ by one or more nucleotides

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GTGGTGCTCCTTATCTCTAAAGCAGCTGGGCCAGCAGCGTGAACACTTCATGTCAGAACTATGACATGG
TCAGTGGGATCTACTCATGTCAAAGAAGTTTGGCAGAGATCACGGAGCTAATTCATATTGCTCCTTTGT
ACATCGTGGGATAGTAAATTTAAATGAGTTGCAATCATCTGATGGTCCACTGAAAGACATGCAATTTGGA
AATAAAATTGCTATCCTGAGTGGAGACTTCTTCTAGCAAATGCCTGCAATGGACTAGCTCTGCTACAGA
ACACCAAGTCATTTTCATTTAATGGACCTATTGCTATATATCAGATGGGAGACTGTGAGTCAGCCTGGAT
CTTGTCTAAACACCCAAGAGCATTGTCATGATGTCACTCCTGGAGTTGTTCTATTAAGCATTAGTGATT
TATACTCCGGATAACCAAGTGGCACAGATGTACTCTTTACATAGCTGATGATTTTCTTATGTTAACTTT
GTTTTCTAAAGGCGTAAATATGTTGTTTAAATGAAGTATTTTGTGTTGTACAAATATGCTCAATTTATG
CATATAAATCTCCCTTTACACCATCTATATAGTTTAAATAAAGATGCTATTGTCTAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for AF086233 unedited ACTCCTATAGGCGGCCGCGACTTCGGCACGAGGGCCTGCTGAGCGACGAGCTCAGCAACA TCGCTATGCAGGTGCGGAAGCTGGTGGGCACTCAGCACCTCTGCTTACCACAGCCAGGG GGCTTGTACATGACAGCTGGAATAGCCTCCAGTTGAGGGGCTTGGTGGTCTCCTTATCT CTAAGCAGCTGGGCCAGCAGCGTGAACACTTCATGTGCAACTATGACATGGTCAGTG GGATCTACTCATGTCAAAGAAGTTTGGCAGAGATCACGGAGCTAATTCATATTGCTCTCC TTGTACATCGTGGGATAGTAAATTTAAATGAGTTGCAATCATCTGATGGTCCACTGAAAG ACATGCAATTTGGAAATAAAATTGCTATCCTGAGTGGAGACTTTCTTCTAGCAAATGCCT GCAATGGACTAGCTCTGCTACAGAACACCAAGTTGTGGAACCTTTAGCAAGTGCTCTTA TGGACTTGGTACAAGGAGTATATCATGAAAATTCTACTTCAAAGGCTCAAGAAAAGGAAG ATTGGACTATGCTAAGTTGCGAGAAAAATCAAAGCTGGCANAGGTGTGACTTCACTATTG ACCTGGTGTCTTACCATGAAACAAGCACTGGAGCCTGNAAGCTTCTCCTTCGAGCCC AGATCTGTAAAAATTTGGNTTGTGCTGGACCGATTTTCATGACATCATAAAGAATTTTG TTATTACTGAATCTAGATNAAAGTTTNTGGGAACCTTACCAGCGTAATGACTTAAAATG CATTTTCTCTATAGNANANAAAAAAGTTTTTTTTTTTTGGACTGACACAATAAAAAGGG GGGGGGTTTTCTGCCCGGACTGCGGTTGGGGCGAAAATAAGGAAAACCTTCTGACTC CAGAGGAATCTTTTTTTTGGCCAGGCCNCGGNNCCCCNTTTTTTTTTTTTAGAAAAA AAAAACTGGGAAAACATAA
Restriction Sites:	NotI-NotI
ACCN:	AF086233
Insert Size:	3500 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:	AF086233.1
RefSeq Size:	624 bp
RefSeq ORF:	624 bp
Locus ID:	57107
Cytogenetics:	6q21
Protein Pathways:	Terpenoid backbone biosynthesis

Gene Summary:

The protein encoded by this gene is an enzyme that synthesizes the prenyl side-chain of coenzyme Q, or ubiquinone, one of the key elements in the respiratory chain. The gene product catalyzes the formation of all trans-polyprenyl pyrophosphates from isopentyl diphosphate in the assembly of polyisoprenoid side chains, the first step in coenzyme Q biosynthesis. Defects in this gene are a cause of coenzyme Q10 deficiency.[provided by RefSeq, Oct 2009]