

## Product datasheet for **SC205171**

### DPS1 (PDSS1) (NM\_014317) Human 3' UTR Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | 3' UTR Clones  |
| Product Name:             | DPS1 (PDSS1) (NM_014317) Human 3' UTR Clone  |
| Symbol:                   | DPS1   |
| Synonyms:                 | COQ1; COQ1A; COQ10D2; DPS; hDPS1; SPS; TPRT; TPT; TPT 1  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pMirTarget (PS100062)  |
| ACCN:                     | NM_014317  |
| Insert Size:              | 355 bp   |
| Insert Sequence:          | <p>&gt;SC205171 3'UTR clone of NM_014317</p> <p>The sequence shown below is from the reference sequence of NM_014317. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> |

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
TCAGAAATTGTACTCACAAGAGATAAATCCAACTCTTTCTGTTCTTTCTGGCAGCTATCTTACCAGAC
TGTGCCTAAAGAATTTTGTGGAATACACTTTGTTTGCTTCATGTGCAGATAACCAAAAATCATTTTAAA
AGATATCAAACCTATTGATGGGCAATTTATTTTTTTTATTGCAAAAGTTTTTTCAGAAAACCTTTTAA
ATGTAATTAATAAACACCTGAATCTGTCATTCTAGTCCTATAAATTATAATCAAGGTATCTTGATGGT
TATATGTGGTATTGTTTACACTGTTAATATCCACATGTAAGGCCATTACACAAATAAATAACCAATGTT
AAAATTCAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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|                    |   |
|--------------------|---|
| Restriction Sites: | SgfI-MluI   |
| OTI Disclaimer:    | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs). |
| Components:        | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.  |


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RefSeq: [NM\\_014317.5](#)

**Summary:** The protein encoded by this gene is an enzyme that elongates 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. The protein may be peripherally associated with the inner mitochondrial membrane, though no transit peptide has been definitively identified to date. Defects in this gene are a cause of coenzyme Q10 deficiency. [provided by RefSeq, Jul 2008]

Locus ID: 23590

MW: 14.5