

Product datasheet for **SC107051**

DOLPP1 (NM_020438) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | DOLPP1 (NM_020438) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | DOLPP1 |
| Synonyms: | LSFR2 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_020438, the custom clone sequence may differ by one or more nucleotides |

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ATGGCAGCGGACGGACAGTGCTCGCTCCCCGCTTCATGGCGGCCGGTGACCCTCACCCACGTCGAATATC
CTGCAGGTGATCTCTCTGGCCACCTCCTTGCCACCTGAGCCTCAGCCCTGTATTTGTCATCGTCGGTTT
CGTGACCCTCATCATATTTAAGCGGGAGCTGCACACGATCTCCTTCTGGGGCCTGGCACTGAACGAG
GGGGTCAACTGGCTGATCAAAAACGTCATCCAGGAGCCACGGCCCTGTGGAGGCCCCACACAGCAGTGG
GCACCAAGTACGGGATGCCCTCCAGCCATCCAGTTTATGTGGTTCTTCTCCGTCTATTCCTTCTTTT
CCTGTATTTAAGAATGCACCAAACAACAACGCCAGGTTCTGGACTTGCTGTGGAGGCACGTGCTCTCC
CTGGGACTCCTCGCTGTGGCCTTCTAGTCTCCTACAGCAGGGTCTACCTGCTGTACCACACCTGGAGCC
AGGTGCTCTATGGAGGCATCGCTGGAGGCTCATGGCCATCGCCTGGTTCATCTTACCCAGGAGGTCTT
CACCCCGCTGTTCCCGAGGATAGCAGCCTGGCCTGTCTCCGAGTTCTTCTAATCCGAGACACAAGCCTC
ATTCCCAACGTA CTGTTT GAGTACACGGTAACCCGGGCAGAAAGCCAGGAACAGACAACGCAAGCTGG
GGACGAAACTGCAGTGA
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| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_020438 unedited AATACCACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGACGGACAGTGCTCGCTCC CCGCTTACATGGCGGCCGNNAAACCCTCACCCACGTCGAATATCCTGCAGGTGATCTCTCCG GCCACCTCCTTGCTACCTGAGCCTCAGCCCTGTATTTGTATCGTCGGTTTCGTGACCC TCATCATATTTAAGCGGGAGCTGCACACGATCTCCTTCCCTGGGGCCTGGCACTGAACG AGGGGGTCAACTGGCTGATCAAAAACGTCATCCAGGAGCCACGGCCCTGTGGAGGCCCC ACACAGCAGTGGGCACCAAGTACGGGATGCCCTCCAGCCATTCCAGTTTATGTGGTTCT TCTCCGTCTATTCTTCTTTTCTGTATTTAAGAATGCACAAACAAACAACGCCAGGT TCTGGACTTGCTGTGGAGGCACGTGCTCTCCCTGGGACTCCTCGCTGTGGCCTTCTAG TCTCTACAGCAGGTCTACCTGCTGTACCACACCTTGGAGCCAAGGGCCTCTATGGGA GGCATCGCTGGAAGCCCTCATGGCCATCGGCCTGGGTTCAATCCTTACCCCAAGGAA GGTCCCTTCAACCCCGCCTGGTTCNCCAAAGGATAAGCAACCCTGGCCCTGGTCTCT TCCAAAGTTCTTCCCTAAATCCCGAGGAACCACAAGGCCCTCAATTTCCCAACGGTAA CTCTTGGTTTTGGAGGTACAACCGGTAACCCCGGGGCCAGGAAGGCCAAGGAAACAAG GACAAACGCCAAGCCTTGGGGGAACGAAAACCTGCCAGTTGACCAAGTGGGTTGGTGCCT TGGGTCCACGCCCTCCAGTA |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_020438 |
| 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_020438.3 , NP_065171.2 |
| RefSeq Size: | 2203 bp |
| RefSeq ORF: | 717 bp |
| Locus ID: | 57171 |
| UniProt ID: | Q86YN1 |
| Cytogenetics: | 9q34.11 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | N-Glycan biosynthesis |

Gene Summary:

A similar gene has been characterized in mice and encodes dolichyl pyrophosphate (Dol-P-P) phosphatase. This protein dephosphorylates dolichyl pyrophosphate so that it may be re-utilized as a glycosyl carrier lipid by the oligosaccharyltransferase multisubunit complex in the ER. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jun 2012]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a).