

Product datasheet for SC325585

DOLPP1 (NM_001135917) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOLPP1 (NM_001135917) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOLPP1
Synonyms:	LSFR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325585 representing NM_001135917. Blue=Insert sequence Red=Cloning site Green=Tag(s)

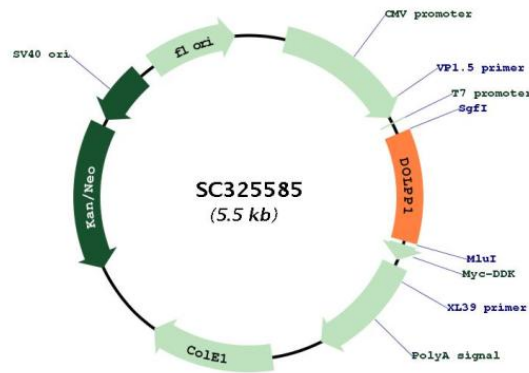
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGCGGACGGACAGTGCTCGCTCCCCGCTTCATGGCGCCGGTGACCCTCACCCACGTGCAATAT
CCTGCAGGTGATCTCTTGCCACCTCCTGCCTACCTGAGCCTCAGCCCTGATTTGTCATCGTCGGT
TTCGTGACCCTCATCATATTTAAGCGGGAGCTGCACACGATCTCCTTCTTGGGGCCTGGCACTGAAC
GAGGGGTCAACTGGCTGATCAAAAACGTCATCCAGGAGCCAGGCCCTGTGGAGCCCCACACAGCA
GTGGGCACCAAGTACGGGATGCCCTCCAGCCATCCCAGTTTATGTGGTCTTCTCCGTCTATTCCTTC
CTTTTCTGTATTTAAGAATGCACCAAACAACAACGCCAGGTTCTGGACTTGCTGTGGAGGCACGTG
CTCTCCCTGGGACTCCTCGCTGTGGCCTTCTAGTCTCCTACAGCAGGCCGTCTCCGAGTTCTTCCTA
ATCCGAGACACAAGCCTCATTCCAACGTACTCTGGTTTGAGTACACGGTAACCCGGGCAGAAGCCAGG
AACAGACAACGCAAGCTGGGGACGAAACTGCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_001135917

Insert Size: 588 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).

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:

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_001135917.1
RefSeq Size:	2096 bp
RefSeq ORF:	588 bp
Locus ID:	57171
UniProt ID:	Q86YN1
Cytogenetics:	9q34.11
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	N-Glycan biosynthesis
MW:	22.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region compared to variant 1. It encodes isoform b which is shorter compared to isoform a.</p>