

Product datasheet for **MR202913**

Dolpp1 (NM_020329) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dolpp1 (NM_020329) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dolpp1
Synonyms: 0610011H20Rik; AB030189; LSFR2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202913 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCGGACGGACAGTGCTCGCTCCCCGTTTCATGGCGGCCAGTGACCCTCACCCACGTGAATACC
CTGCAGGTGATCTGTCTGGCCACCTCCTGGCCTACCTGAGCCTCAGCCCTATTTTTGTCGTTGTTGGTTT
TTTGACTCTCATCATATCAAGCGGGAGCTACACACGATTTTCATTCTTGGGGGACTGGCACTGAATCAG
GGCGTCAACTGGCTGATCAAACACGTATCCAGGAGCCTCGGCCCTGTGGAGGCCACATACAGCAGCGG
GCACTAAGTACGGGATGCCCTCCAGCCATTCAGTTCATGTGGTTCTTCTCCGCTACTCCTTCTCTT
CCTGTATTTAAGAATGCACCAAACAATAACGCCAGGTTCTTGGACTTGCTGTGGAGGCAGTGTGCTCT
CTAGGGCTCCTCACCGCGGCCTTCTCGTCTCCTATAGCAGGGTCTACCTGCTGTACCACACCTGGAGCC
AGGTGTTTTATGGGGCGTGGCTGGAAGCCTCATGGCCGTCGCCTGGTTCATCATCACGCAGGAAATCCT
CACTCCGTTGTTCCCGAGGATAGCAGCCTGGCCATCTCCGAGTTTTTCTCATCCGGGACAGGACCTC
ATTCCAATGTGCTCTGGTTTGTGACACAGTAACCAGGGCAGAAGCCAGGAACAGACAGCGCAAACCTTG
GAACAAAACCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202913 protein sequence
 Red=Cloning site Green=Tags(s)

MAADGQCSLPASWRPVTLTHVEYPAGDLSGHLLAYLSLSPIFVVVGFLLIIFKRELHTISFLGGLALNQ
 GVNWLIKHVIQEPRPCGGPHTAAGTKYGMPSHSHSQFMWFFSVYSFLFLYLRMHQTNARFLDLLWRHVLS
 LGLLTAAFLVYSRVYLLYHTWSQVIFYGGVAGSLMAVAWFIIITQEILTPLFPRIAAPWPISEFFLIRDTSL
 IPNVLWFEYTVTRAEARNRQRKLGTKLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_020329

ORF Size: 717 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_020329.1](#), [NM_020329.2](#), [NM_020329.3](#), [NM_020329.4](#), [NP_065062.1](#)

RefSeq Size: 2268 bp

RefSeq ORF: 717 bp

Locus ID: 57170

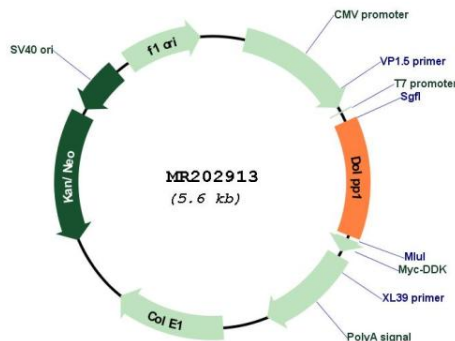
UniProt ID: [Q9JMF7](#)

Cytogenetics: 2 B

MW: 27.1 kDa

Gene Summary: Required for efficient N-glycosylation. Necessary for maintaining optimal levels of dolichol-linked oligosaccharides. Hydrolyzes dolichyl pyrophosphate at a very high rate and dolichyl monophosphate at a much lower rate. Does not act on phosphatidate.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202913