

Product datasheet for MR228425

Dolpp1 (NM_001290509) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dolpp1 (NM_001290509) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dolpp1
Synonyms: 0610011H20Rik; AB030189; L5FR2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228425 representing NM_001290509
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCAGCGGACGGACAGTGCTCGCTCCCGCTTCATGGCGGCCAGTGACCCCTACCCACGTCGAATACC
 CTGCAGGTGATCTGTCTGGCCACCTCCTGGCCTACCTGAGCCTCAGCCCTATTTTGTCTGTTGGTTT
 TTTGACTCTCATATTTCAAGCGGGAGCTACACACGATTTTCATTCCTTGGGGACTGGCACTGAATCAG
 GCGCTCAACTGGCTGATCAAACACGTATCCAGGAGCCTCGGCCCTGTGGAGGCCACATACAGCAGTGG
 GCACTAAGTACGGGATGCCCTCCAGCCATTCAGTTCATGTGGTTCTTCTCCGTCTACTCTTCTCTT
 CCTGTATTTAAGAATGCACCAAAACAATAACGCCAGGTTCTTGGACTTGCTGTGGAGGCAGTGTCTCT
 CTAGGGCTCCTCACCGCGGCCTTCTCGTCTCCTATAGCAGGCCATCTCCGAGTTTTCTCATCCGGG
 ACACGAGCCTCATTCCCAATGTGCTCTGGTTTGTAGTACACAGTAACCAGGGCAGAAGCCAGGAACAGACA
 GCGCAAACCTTGAACAAAACCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228425 representing NM_001290509
 Red=Cloning site Green=Tags(s)

MAADGQCSLPASWRPVTLTHVEYPAGDLSGHLLAYLSLSPIFVVVGFLLIIFKRELHTISFLGGLALNQ
 GVNWLIKHVIQEPRPCGGPHTAVGTKYGMPSHSQFMWFFSVYSFLFLYLRMHQTNARFLDLLWRHVLV
 LGLLTA AFLVSYSRPISEFFLIRDTS LIPNVLWFEYTVTRAEARNRQRKLGTKLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

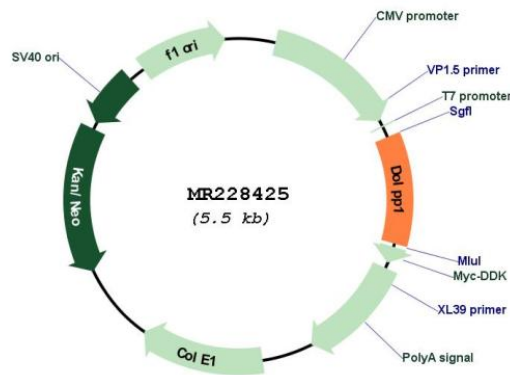
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001290509

ORF Size: 585 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_001290509.1](#), [NP_001277438.1](#)

RefSeq Size: 2139 bp

RefSeq ORF: 588 bp

Locus ID: 57170

UniProt ID: [Q9JMF7](#)

Cytogenetics: 2 B

MW: 22.6 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]