

Product datasheet for **MR228072**

Dolpp1 (NM_001290508) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dolpp1 (NM_001290508) 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: >MR228072 representing NM_001290508
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCTCCAGCCATTCCAGTTCATGTGGTCTTCTCCGTCTACTCCTCCTCTTCTGTATTTAAGAA
TGCACCAACAATAACGCCAGGTTCTGGACTTGCTGTGGAGGCACGTGTCTCTAGGGCTCCTCAC
CGCGGCTTTCTCGTCTCTATAGCAGGTCTACCTGCTGTACCACACCTGGAGCCAGGTGTTTTATGGG
GGCGTGGCTGGAAGCCTCATGGCCGTCGCTGGTTCATCATCACGCAGGAAATCCTCACTCCGTTGTTC
CCAGGATAGCAGCCTGGCCATCTCCGAGTTTTCTCATCCGGGACACGAGCCTATTCCCAATGTGCT
CTGTTTTGAGTACACAGTAACCAGGGCAGAAGCCAGGAACAGACAGCGCAAACCTTGAACAAAACCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228072 representing NM_001290508
Red=Cloning site Green=Tags(s)

MPSSHSQFMWFFSVYSFLFLYLRMQTNNARFLDLLWRHVL SLGLLTA AFLVSYSRVYLLYHTWSQV FYG
GVAGSLMAVAWF IITQEILTPLFPRIA AAWPISEFFLIRD TSLIPNVLWFEYTVTRAEARNRQRKLGTKLQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<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_001290508.1 , NP_001277437.1
RefSeq Size:	2475 bp
RefSeq ORF:	423 bp
Locus ID:	57170
UniProt ID:	Q9JMF7
Cytogenetics:	2 B
MW:	17 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]