

Product datasheet for **MG202913**

Dolpp1 (NM_020329) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dolpp1 (NM_020329) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dolpp1
Synonyms: 0610011H20Rik; AB030189; L5FR2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202913 representing NM_020329
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCGGACGGACAGTGCTCGCTCCCCGTTTCATGGCGGCCAGTGACCCTCACCCACGTGGAATACC
 CTGCAGGTGATCTGTCTGGCCACCTCCTGGCTACCTGAGCCTCAGCCCTATTTTGTGCTTGTGGTTT
 TTTGACTCTCATCATATCAAGCGGGAGCTACACACGATTTTCATTCTTGGGGACTGGCACTGAATCAG
 GCGTCAACTGGCTGATCAAACACGTATCCAGGAGCCTCGGCCCTGTGGAGGCCACATACAGCAGCGG
 GCACTAAGTACGGGATGCCCTCCAGCCATCCAGTTCATGTGGTTCTTCTCCGCTACTCCTTCTCTT
 CCTGTATTTAAGAATGCACCAAACAATAACGCCAGGTTCTTGGACTTGCTGTGGAGGCACGTGCTGCT
 CTAGGGCTCCTACCGCGGCCTTCTCGTCTCCTATAGCAGGGTCTACCTGCTGTACCACACCTGGAGCC
 AGGTGTTTTATGGGGCGTGGCTGGAAGCCTCATGGCCGTCGCCTGGTTCATCATCACGCAGGAAATCCT
 CACTCCGTTGTTCCCGAGGATAGCAGCCTGGCCCATCTCCGAGTTTTTCTCATCCGGGACAGGACCTC
 ATTCCAATGTGCTCTGGTTTGTGACACAGTAACCAGGGCAGAAGCCAGGAACAGACAGCGCAAACCTTG
 GAACAAAACCTGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202913 representing NM_020329
 Red=Cloning site Green=Tags(s)

MAADGQCSLPASWRPVTLTHVEYPAGDLSGHLLAYLSLSPIFVVVGFLLIIFKRELHTISFLGGLALNQ
 GVNWLIKHVIEPRPCGGPHTAAGTKYGMPSHSHSQFMWFFSVYSFLFLYLRMHQTNARFLDLLWRHVLS
 LGLLTA AFLVSYSRVLLYHTWSQVIFYGGVAGSLMAVAWFIIITQEILTPLFPRIA AWP ISEFFLIRD TSL
 IPNVLWFEYTVTRAEARNRQRKLGTKLQ

TRTRPLE - GFP Tag - V

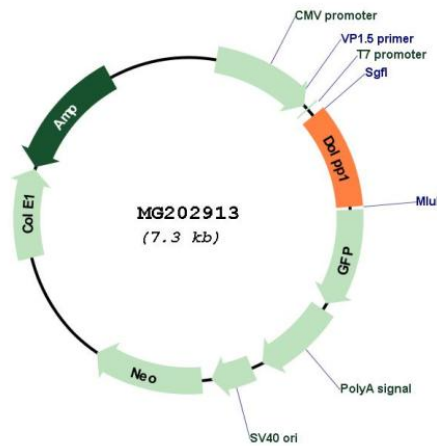
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_020329

ORF Size: 714 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:	<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_020329.1 , NP_065062.1
RefSeq Size:	2102 bp
RefSeq ORF:	717 bp
Locus ID:	57170
UniProt ID:	Q9JMF7
Cytogenetics:	2 B
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]