

Product datasheet for **MG221947**

Dynlrb2 (NM_029297) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dynlrb2 (NM_029297) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dynlrb2
Synonyms: 1700009A04Rik; Dncl2b; DNLC2B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG221947 representing NM_029297
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAGAAGTGGAGGAAACCTCAAGAGAATCCAGAGTCACAAAGGGTCATCGGAACGATGGTGGTCA
 ATGCAGAAGGCATTCCAATCCGAACAACCTGGACAACCCACAACGGTTCAGTATGCGGGTCTTCTCCA
 CCAGCTGACCATGAAAGCCAAGAGCACAGTCAGGGATATTGACCCCAAGACCTGACTTTTCTTAGG
 ATCAGATCGAAGAAACATGAAATCATGGTAGCCCCAGATAAGGAATATCTTCTGATTGTCATTGAGAACC
 CATGTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221947 representing NM_029297
 Red=Cloning site Green=Tags(s)
 MTEVEETLKRIQSHKGVIGTMVVNAEGIPRTTLDNSTTVQYAGLLHQLTMKAKSTVRDIDPQNDLTFLR
 IRSKKHEIMVAPDKEYLLIVIQNPCE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_029297

ORF Size: 288 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_029297.1](#), [NP_083573.1](#)

RefSeq Size: 515 bp

RefSeq ORF: 291 bp

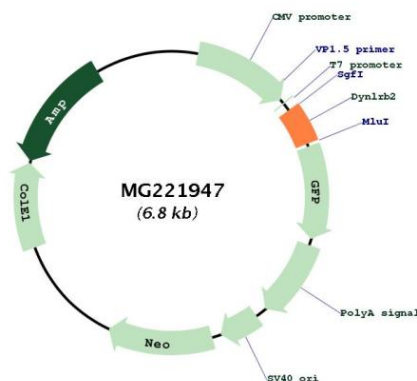
Locus ID: 75465

UniProt ID: [Q9DAJ5](#)

Cytogenetics: 8 E1

Gene Summary: Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG221947