

Product datasheet for **RG219143**

DYNLRB2 (NM_130897) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DYNLRB2 (NM_130897) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DYNLRB2
Synonyms: DNCL2B; DNLC2B; ROBLD2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG219143 representing NM_130897
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGAGGTGGAGGAAACCTTAAGAGGATCCAGAGTCATAAAGGGTTATTGGAACATGGTTGTAA
 ATGCAGAAGGTATCCCATCCGAACAACCTTGACAACCTCAACAACCTGTTCAATATGCAGGCCTTCTTCA
 TCACCTGACAATGAAAGCCAAAAGCACAGTTCGTGATATTGATCCTCAGAACGACCTGACTTTTCTTAGG
 ATCAGATCAAAGAAACATGAAATCATGGTAGCTCCAGATAAGGAATATCTTCTGATCGTCATTGAGAAC
 CATGTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219143 representing NM_130897
 Red=Cloning site Green=Tags(s)
 MAEVEETLKRIQSHKGVIGTMVNAEGIPRTTLDNSTTVQYAGLLHLLTMKAKSTVRDIDPQNDLTFLLR
 IRSKKHEIMVAPDKEYLLIVIQNPCE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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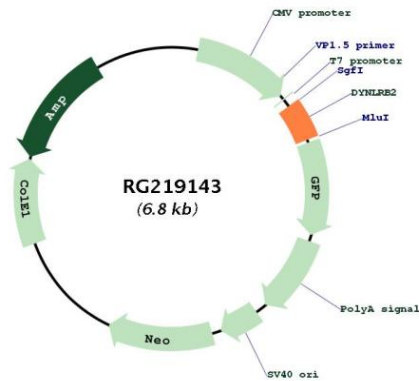
Cloning Scheme:



ACCN:	NM_130897
ORF Size:	288 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_130897.3
RefSeq Size:	506 bp
RefSeq ORF:	291 bp

Locus ID:	83657
UniProt ID:	Q8TF09
Cytogenetics:	16q23.2
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 RG219143