

## Product datasheet for **MC210480**

### Dynlrb1 (NM\_025947) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dynlrb1 (NM\_025947) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dynlrb1  
**Synonyms:** 2010012N15Rik; 2010320M17Rik; 9430076K19Rik; AV124457; Dncl2a; DNLC2A; km23-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210480 representing NM\_025947  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAGAGGTGGAGGAAACACTCAAGAGGCTTCAGAGCCAGAAAGGAGTGCAGGGCATCATCGTGGTGA  
ACACAGAAGGCATTCCCATCAAGAGCACAATGGACAATCCCACCACTACACAGTATGCCAACCTCATGCA  
CAACTTCATCTTGAAGGCGCGGAGCACTGTGCGTGAGATTGACCCCAAACGACCTAACCTTCCTCGA  
ATTCGCTCCAAGAAAAATGAAATTATGGTGGCACCAGATAAAGACTATTCCTGATTGTGATCCAGAATC  
CAACTGAAT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_025947  
**Insert Size:** 291 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  
**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\\_025947.3](#), [NP\\_080223.2](#)

**RefSeq Size:** 702 bp

**RefSeq ORF:** 291 bp

**Locus ID:** 67068

**UniProt ID:** [P62627](#)

**Cytogenetics:** 2 H1

**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]

Transcript Variant: This variant (2) contains an alternate 5' terminal exon, and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a.