

Product datasheet for **MC209505**

Dynlt1b (NM_009342) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dynlt1b (NM_009342) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dynlt1b
Synonyms: AGS2; Dynlt1; Tctex-1; Tctex1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209505 representing NM_009342
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAGACTTCCAGGCCTCAGAGGAGACTGCATTTGTTGTTGATGAAGTGAGCAGCATTGTAAGGAGG
CTATAGAAAGCGCCATCGGTGGTAATGCCTACCAGCACAGCAAAGTCAACCAGTGGACCACTAATGTCCT
AGAACAGACTTTGAGCCAACTACCAAAGTGGGAGACCATTTAAATACATTGTGACCTGTGTGATCATG
CAGAAGAACGGTCTGGTTACACTCCGCAAGTTCCTGCTTCTGGGACAGCTCCACAGACGGAAGCTGCA
CAGTCCGATGGGAGAACAAGACCATGTACTGCATCGTCAGTACCTTCGGACTGTCCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009342

Insert Size: 342 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).



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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_009342.2](#), [NP_033368.1](#)

RefSeq Size: 791 bp

RefSeq ORF: 342 bp

Locus ID: 21648

UniProt ID: [P51807](#)

Cytogenetics: 17 3.97 cM

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. Binds to transport cargos and is involved in apical cargo transport such as rhodopsin-bearing vesicles in polarized epithelia (By similarity). May also be a accessory component of axonemal dynein. Plays an important role in male germ cell development and function. Candidate for involvement in male sterility.[UniProtKB/Swiss-Prot Function]