

Product datasheet for **MG219031**

Ldb3 (NM_011918) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb3 (NM_011918) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ldb3
Synonyms:	AW742271; PDLIM6; ZASP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG219031 representing NM_011918
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTTACAGTGTGACTCTGACTGGGCCTGGGCCTGGGGCTCCGCTGCAGGGAGGCAAGGACTTCA
 ACATGCCCTCACTATCTCCCGGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATCCCATCTCCACGACAGCGC
 CTCCCATCCAGTCCCGCTGCCAGTGATCCCCACCAGAAGGACCCTGCTCTGGACACGAACGGCAGCCT
 GCGGACTCCCAGCCCAGCCCTGAGGCAAGGGCCAGCCAGGGCCCTGGAGTTCGGGGACACCTTTAGC
 TCCTCCTTCTCCAGACCTGTCTGCAGCCACTCATGGAGGCCTCGGGCCTGTCTTCTCTGGGTA
 GCCAGTGGCCAAGGCCAGCTCAGAGGGTGCACAGGGCTCAGTCAGCCCCAAAGTTCTGCCAGGCCCCAG
 CCAACCGAGGCAATATAACAACCCATTGGCCTGTACTCAGCAGAGACCCTGAGGGAGATGGCTCAGATG
 TATCAGATGAGCCTCCGAGGGAAGGCCTCAGGTGCTGGACTCCTAGGAGGGAGCCTCCCTGTGAAAGACT
 TGGCGGTGGACAGCGCCTCTCCTGTGTACCAGGCTGTGATCAAAACCCAAAGCAAGCCGGAAGATGAGGC
 TGATGAGTGGGCCCGCCGGTCTCCAACCTGCAGTCTCGCTCCTCCGCATCCTGGCCCAGATGACCGGG
 ACAGAATACATGCAAGACCCTGATGAAGAGGCTCTGCAAGGTCAAGCACCCCTATTGAGCATGTCCAG
 TGTGCACCAGCCAGGCCACTTCCCCGCTGCTGCCTGCTTCTGCCAGTCGCCCGCTGCTGCCTCTCCAT
 TGCGGCCTCGCCAACCTGGCCACAGCTGCTGCCACCCATGCTGCTGCCGCTCTGCTGCAGGCCCTGCC
 GCAAGTCCCGTGGAGAATCCGAGGCCACAGGCCTCTGCTTACAGTCTGCAGCCCGCCTTCTCCAGCAC
 CCTCTGCCATACCAGCTACAGCGAGGGTCCAGCTGCCCTGCACCCAAGCCTCGGGTCTGAACCACTGC
 CAGCATCCGGCCTTCTGTCTACCAGCCAGTGCCTGCATCTTCTACAGCCATCTCCAGGAGCCAATTAC
 AGTCCAACCTCCCTATACCCCTTCGCCAGCTCCTGCTTATACCCCTCTCCTGCTCCACCTATACCCCT
 CACCTGCACCTACATACTCCCCTTCCCCTGCACCAGTTATACCCCTCACCTGCCCCAACTATAACCC
 TACACCATCAGCTGCCTACAGTGGGGCCCTTCAAGTCTGCCAGCCGTCCACCTGGGTGACCGATGAC
 AGCTTCTCTCAGAAGTTTGTCTCTGAAAGAGCACTACCACTGTCAGCAAGCAGACCCTGCCCGGGGG
 CTCCAGCCTACAACCCACAGGTCCACAAGTGACACCTTGGCCAGGGGCACCTCCAGAGAGCTGAGCG
 CTTCCAGCTAGCAGCCGACTCCCCTCTGTGGGCACTGTAACAATGTCATCAGGGGCCCTTTCTGGTG
 GCCATGGGCCGCTTTGGCACCCAGAAGAGTTCAATTGTGCCTACTGCAAGACCTCCCTAGCAGATGTGT
 GCTTTGTGGAGGAGCAGAACACGTTTACTGCGAGCGGTGTACGAGCAGTTCTTTGCCCGGATCTGTGC
 CAAATGTAACACCAAAATCATGGGGGAAGTGATGCACGCTCTGCGACAGACATGGCACACCACCTGCTT
 GTCTGTGCAGCCTGCAAGAAGCCCTTTGGGAACAGCCTTCCACATGGAGGATGGAGAGCCATACTGTG
 AGAAAGACTACATCAACCTGTTACGACCAAGTGCCATGGATGCGATTTCCCTGTGGAAGCTGGTGACAA
 GTTTATCGAGGCCCTGGGGCACACCTGGCATGACACCTGCTTCATTTGTGCGGTCTGCCACGTGAATCTG
 GAGGGTCAGCCATTCTACTTAAGAAAGACAAACCACTGTGCAAGAAGCACGCACATGCCATCACGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG219031 representing NM_011918
 Red=Cloning site Green=Tags(s)

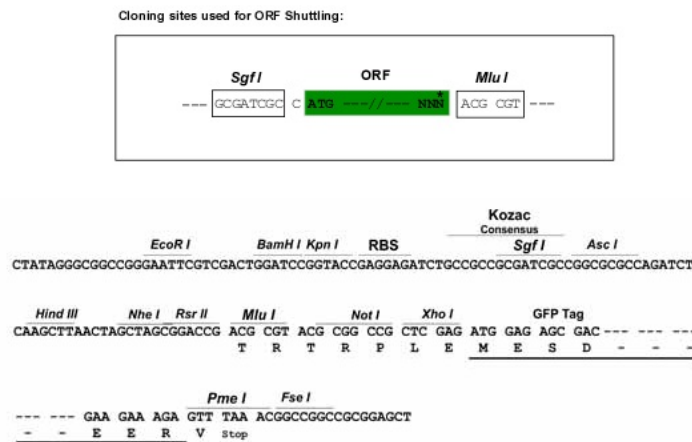
```

MSYSVTLTGPWPWFRLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK
SASYNLSLTLQSKRPIPISTTAPPIQSPLPVIPHQKDPALDTNGSLATPSPSPEARASPGALEFGDTFS
SSFQSTSVCSPLMEASGPVLPVLPSPVAKASSEGAQGSVSPKVLPGPSQPRQYNNPIGLYSAETLREMAQM
YQMSLRGKASGAGLLGGSLPVKDLAVDSASPVYQAVIKTQSKPEDEADEWARRSSNLQSRFRILAQMTG
TEYMQDPDEEALRRSSTPIEHAPVCTSQATSPLLPAASAQSPAAAAPAAASPTLATAAATHAAAASAAGPA
ASPVENPRPQASAYSPAAAASPAPSAHTSYSEGPAAPAPKPRVVTASIRPSVYQVVPASSYSPSPGANY
SPTPYTPSPAPAYTPSPAPTYTPSPAPTYSPSPAPAYTPSPAPNYTPSPAAYSGGPSESASRPPWVTD
SFSQKFAPGKSTTTVSKQTLPRGAPAYNPTGPQVTPLARGTFQRAERFPASSRTPLCGHCNNVIRGPFV
AMGRSWHPEEFNCAVCKTSLADVCFVEEQNNVYCERCYEQFFAPICAKCNTKIMGEVMHALRQTHWHTTCF
VCAACKKPFNSLFHMEDGEPYCEKDYINLFSTKCHGCDPVEAGDKFIEALGHTWHDTFCICAVCHVNL
EGQPFYSKKDKPLCKKHAHAINV
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011918

ORF Size: 2169 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:

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_011918.4](#), [NP_036048.3](#)

RefSeq Size: 5040 bp

RefSeq ORF: 2172 bp

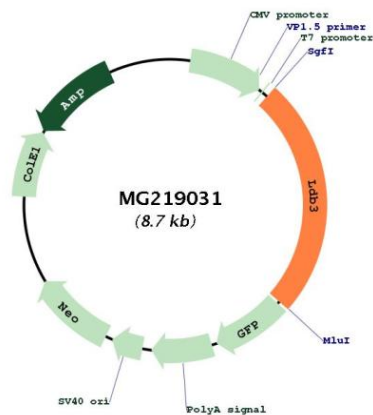
Locus ID: 24131

UniProt ID: [Q9JKS4](#)

Cytogenetics: 14 B

Gene Summary: May function as an adapter in striated muscle to couple protein kinase C-mediated signaling via its LIM domains to the cytoskeleton.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG219031