

Product datasheet for **MG219038**

Ldb3 (NM_001039073) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Ldb3 (NM_001039073) 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:

>MG219038 representing NM_001039073
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTTACAGTGTGACTCTGACTGGCCCTGGGCCTGGGGCTCCGCTGCAGGGAGGCAAGACTTCA
 ACATGCCCTCACTATCTCCCGGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATCCCATCTCCACGACAGCGC
 CTCCCATCCAGTCCCGCTGCCAGTGTCCCCACCAGAAGGTGGTAGCCAATTCTCCAGCCAATGCTGA
 CTACCAGGAACGCTTCAACCCAGCGTCTGAAGGACTCAGCCCTGTCCACCCACAAGCCATTGAAGTG
 AAGGGCTTGGGAGGCAAGGCCACTATCATCCACGCTCAGTACAACACCCCGATCAGCATGTACTCACAGG
 ATGCTATCATGGACGCCATCGCGGGCAGGCCAGGCCAGGGCAGTACTCAGTGGGGCTCTCCGCT
 GCGAGCCTCCCTGTAAAGACTTGGCGGTGGACAGCGCCTCTCCTGTGTACCAGGCTGTGATCAAACC
 CAAAGCAAGCCGAAGATGAGGCTGATGAGTGGGCCCGCCGGTCTCCAACCTGCAGTCTCGCTCCTTCC
 GCATCCTGGCCCAGATGACCGGGACAGAATACATGCAAGACCCTGATGAAGAGGCTCTGCGAAGGTCAAG
 GCCACAGGCTCTGCTTACAGTCTGCAGCCGCGCTTCTCCAGCACCTCTGCCATACCAGCTACAGC
 GAGGGTCCAGTCCCTGCACCAAGCCTCGGGTCGTAACCACTGCCAGCATCCGGCCTTCTGTCTACC
 AGCCAGTGCCTGCATCTTCTACAGCCATCTCCAGGAGCCAATTACAGTCCAACCTCCATACCCCTTCC
 GCCAGTCTGCTTATACCCCTCTCCTGCTCCACCTATACCCCTCACCTGCACCTACATACTCCCTTCC
 CCCCTGCACAGCTTATACCCCTCACCTGCCCAAACCTATACCCCTACACCATCAGTGCCTACAGTG
 GGGGCCCTTCAAGTCTGCCAGCGTCCACCTGGGTGACCGATGACAGTCTCTCAGAAGTTTGTCTCC
 TGGAAAGAGCACTACCACTGTGCAAGCAGACACCTGCCCGGGGGCTCCAGCCTACAACCCAACAGGT
 CCACAAGTGACACCTCTTCCAGGGCACCCTCCAGAGGCTGAGCGCTTCCAGCTAGCAGCCGACTC
 CCCTCTGTGGGCACTGTAACAATGTGATCAGGGGCCCTTTTCTGGTGGCCATGGGCGCTCTTGGCACCC
 AGAAGAGTTCAATTGTGCTACTGCAAGACCTCCCTAGCAGATGTGTGCTTTGTGGAGGAGCAGAACAAC
 GTTACTGCGAGCGGTGTACGAGCAGTCTTTGCCCGATCTGTGCAAATGTAACACCAAAATCATGG
 GGAAGTGTGACGCTCTGCGACAGACATGGCACACCACCTGCTTTGTCTGTGACGCTGCAAGAAGCC
 CTTTGGGAACAGCCTCTCCACATGGAGGATGGAGAGCCATACTGTGAGAAAGACTACATCAACCTGTT
 AGCACCAAGTCCATGGATGCGATTTCCCTGTGGAAGCTGGTACAAGTTTATCGAGGCCCTGGGCACA
 CCTGGCATGACACCTGCTTCATTTGTGCGGTCTGCCACGTGAATCTGGAGGGTACGCCATTCTACTCTAA
 GAAAGACAACCACTGTGCAAGAAGCACGCACATGCCATCAACGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219038 representing NM_001039073
 Red=Cloning site Green=Tags(s)

MSYSVTLTGPGPWGFRLLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK
 SASYNLSLTLQSKRPIPISTTAPPIQSPLPVIPHQKVVANSPANADYQERFNPSVLKDSALSTHKPIEV
 KGLGGKATIIHAQYNTPIISMYSQDAIMDAIAGQAQAQGSDFSGASPLASLPVKDLAVDSASPVYQAVIKT
 QSKPEDEADEWARRSSNLQSRFRILAQMTGTEYMQDPDEEALRRSRPQASAYSPAAAAASPAPSAHTSYS
 EGPAAPAPKPRVTTASIRPSVYQVPASSYSPSPGANYSPTPYTPSPAPAYTPSPAPTYTPSPAPTYSP
 SPAPAYTPSPAPNYTPPSAAYSGGPSESASRPPWVTDDSFQKFAFGKSTTTVSKQTLPRGAPAYNPTG
 PQVTPLARGTFQRAERFPASSRTPLCGHNNVIRGPFLVAMGRSWHPEEFNCAVCKTSLADVCFVEEQNN
 VYCERCYEQFFAPICAKCNTKIMGEVMHALRQTHHTCFVCAACKKPFNGSLFHMEDGEPYCEKDYINLF
 STKCHGCDFPVEAGDKFIEALGHTWHTCFICAVCHVNLEGQPFYSKDKKPLCKKHAHAINV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001039073

ORF Size: 1866 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_001039073.2](#), [NP_001034162.1](#)

RefSeq Size: 4737 bp

RefSeq ORF: 1869 bp

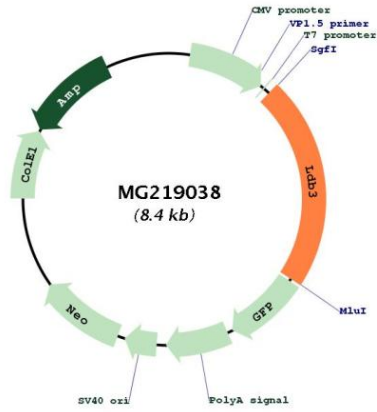
Locus ID: 24131

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 MG219038