

Product datasheet for **MG218271**

Ldb3 (NM_001039072) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb3 (NM_001039072) 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:**

>MG218271 representing NM_001039072
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTTACAGTGTGACTCTGACTGGGCCTGGGCCTGGGGCTCCGCTGCAGGGAGGCAAGGACTTCA
 ACATGCCCTCACTATCTCCCGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATCCCATCTCCACGACAGCGC
 CTCCCATCCAGTCCCGCTGCCAGTGATCCCCACCAGAAGGTGGTAGCCAATTCTCCAGCCAATGCTGA
 CTACCAGAAACGCTTCAACCCAGCGTCTGAAGGACTCAGCCCTGTCCACCCACAAGCCATTGAAGTG
 AAGGGCTTGGGAGGCAAGGCCACTATCATCCACGCTCAGTACAACACCCCGATCAGCATGTACTCACAGG
 ATGCTATCATGGACGCCATCGCGGGCAGGCCAGGCCAGGGCAGTGACTTCAGTGGGAGCCTCCCTGT
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 TGCTCCAGTGTGCACCAGCCAGGCCACTTCCCCGCTGCTGCTGCTTCTGCCAGTCGCCCGCTGTGCC
 TCTCCATTGGCGCTCGCCAACCTGGCCACAGCTGCTGCCACCATGTGCTGCCGCTCTGTGCGAG
 GCCCTGCCGAAGTCCCGTGGAGAATCCGAGGCCACAGGCCTCTGCTTACAGTCTGCAGCCGCCGCTTC
 TCCAGCACCTCTGCCATACCAGCTACAGCGAGGGTCCAGCTGCCCTGCACCAAGCCTCGGGTCGTA
 ACCACTGCCAGCATCCGGCCTTCTGTCTACCAGCCAGTGCCTGCATCTTCTACAGCCCATCTCCAGGAG
 CCAATTACAGTCCAACCTCCCTATACCCCTCGCCAGCTCCTGCTTATACCCCTCTCCTGTCCCACCTA
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 CCGGGGGCTCCAGCCTACAACCAACAGGTCCACAAGTGACACCTTGGCCAGGGGCACCTTCCAGAGA
 GCTGAGCGCTTCCAGCTAGCAGCCGACTCCCTCTGTGGGCACTGTAACAATGTCATCAGGGGCCCTT
 TTCTGGTGGCCATGGCCGCTCTGGCACCCAGAAGATTCAATTGTGCCTACTGCAAGACCTCCCTAGC
 AGATGTGTGCTTTGTGGAGGAGCAGAACAACGTTTACTGCGAGCGGTGTTACGAGCAGTTCTTTGCCCG
 ATCTGTGCCAAATGTAACACCAAAATCATGGGGGAAGTGATGCACGCTCTGCGACAGACATGGCACACCA
 CCTGCTTTGTCTGTGCAGCCTGCAAGAAGCCCTTGGGAACAGCCTCTCCACATGGAGGATGGAGAGCC
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 GGTGACAAGTTTATCGAGGCCCTGGGGCACACCTGGCATGACACCTGCTTCAATTTGTGCGGTCTGCCACG
 TGAATCTGGAGGGTCAGCCATTCTACTAAGAAAGACAAACCACTGTGCAAGAAGCAGGCACATGCCAT
 CAACGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218271 representing NM_001039072
Red=Cloning site Green=Tags(s)

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MSYSVTLTGPWPWFRLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK
SASYNLSLTLQSKRPIPISTTAPPIQSPLPVIHPHQVVANSPANADYQERFNPSVLKDSALSTHKPIEV
KGLGGKATIIHAQYNTPI SMYSQDAIMDAIAGQAQAGSDFSGSLPVKDLAVDSASPVYQAVIKTQSKPE
DEADEWARRSSNLQSRFRILAQMTGTEYMQDPDEEALRRSSTPIEHAPVCTSQATSPLLASAQSPAAA
SPIAASPTLATAAATHAAAASAAGPAASPVENPRPQASAYSPAAAASPAPSAHTSYSEGPAAPAPKPRVV
TTASIRPSVYQVPASSYSPGANYSPTPYTPSPAPAYTPSPAPTYTPSPAPTYSPSPAPAYTPSPAPN
YTPTPSAAYSGGPSESASRPPWVTDDSFQKFAPGKSTTTVSKQTLPRGAPAYNPTGPQVTPLRGTFQR
AERFPASSRTPLCGHCNNVIRGPFLVAMGRSWHPEEFNCA YCKTSLADVCFVEEQNNVYCERCYEQFFAP
ICAKCNTKIMGEVMHALRQTWHHTCFVCAACKKPFGNSLFHMEDGEPYCEKDYINL FSTKCHGCDFPVEA
GDKFIEALGHTWHDTCFICAVCHVNLEGQPFYSKKDKPLCKKHAHAINV
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001039072

ORF Size: 2037 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_001039072.2](#), [NP_001034161.1](#)

RefSeq Size: 4908 bp

RefSeq ORF: 2040 bp

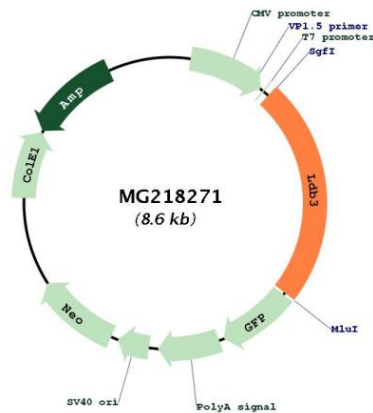
Locus ID: 24131

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 MG218271