

Product datasheet for **MR219031**

Ldb3 (NM_011918) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb3 (NM_011918) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ldb3
Synonyms:	AW742271; PDLIM6; ZASP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR219031 representing NM_011918
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTTACAGTGTGACTCTGACTGGGCCTGGGCCTGGGGCTCCGCTGCAGGGAGGCAAGGACTTCA
 ACATGCCCTCACTATCTCCCGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATCCCATCTCCACGACAGCGC
 CTCCCATCCAGTCCCGCTGCCAGTGATCCCCACCAGAAGGACCCTGCTCTGGACACGAACGGCAGCCT
 GGCGACTCCAGCCCAGCCCTGAGGCAAGGGCCAGCCAGGCGCCCTGGAGTTCGGGGACACCTTTAGC
 TCCTCCTCTCCAGACCTGTCTGCAGCCACTCATGGAGGCCTCGGGCCTGTCTTCTCTGGGTA
 GCCAGTGGCCAAGGCCAGCTCAGAGGGTGCACAGGGCTCAGTCAGCCCCAAAGTTCTGCCAGGCCCCAG
 CCAACCGAGGCAATATAACAACCCATTGGCCTGTACTCAGCAGAGACCCTGAGGGAGATGGCTCAGATG
 TATCAGATGAGCCTCCGAGGGAAGGCCTCAGGTGCTGGACTCCTAGGAGGGAGCCTCCCTGTGAAAGACT
 TGGCGGTGGACAGCGCCTCTCCTGTGTACCAGGCTGTGATCAAAACCCAAAGCAAGCCGGAAGATGAGGC
 TGATGAGTGGGCCCGCCGGTCTCCAACCTGCAGTCTCGCTCCTCCGCATCCTGGCCCAGATGACCGGG
 ACAGAATACATGCAAGACCCTGATGAAGAGGCTCTGCAAGGTCAAGCACCCCTATTGAGCATGTCCAG
 TGTGCACCAGCCAGGCCACTTCCCCTGCTGCCTGCTTCTGCCAGTCGCCCGCTGTGCCTCTCCAT
 TGCGGCCTCGCCAACCTGGCCACAGCTGCTGCCACCCATGCTGCTGCCGCTCTGCTGCAGGCCCTGCC
 GCAAGTCCCGTGGAGAATCCGAGGCCACAGGCCTCTGCTTACAGTCTGCAGCCCGCCTTCTCCAGCAC
 CCTCTGCCATACCAGCTACAGCGAGGGTCCAGCTGCCCTGCACCCAAGCCTCGGGTCGTAACCACTGC
 CAGCATCCGGCCTTCTGTCTACCAGCCAGTGCCTGCATCTTCTACAGCCCATCTCCAGGAGCCAATTAC
 AGTCCAACCTCCCTATACCCCTTCGCCAGCTCCTGCTTATACCCCTCTCCTGCTCCACCTATACCCCT
 CACCTGCACCTACATACTCCCCTTCCCCTGCACCAGCTTATACCCCTCACCTGCCCCAACTATAACCC
 TACACCATCAGCTGCCTACAGTGGGGCCCTTCAAGTCTGCCAGCCGTCCACCTGGGTGACCGATGAC
 AGCTTCTCTCAGAAGTTTGTCTCTGAAAGAGCACTACCACTGTCAGCAAGCAGACCCTGCCCGGGGGG
 CTCCAGCCTACAACCCACAGGTCCACAAGTGACACCTTGGCCAGGGGACCTTCCAGAGAGCTGAGCG
 CTTCCAGCTAGCAGCCGACTCCCCTCTGTGGGCACTGTAACAATGTCATCAGGGGCCCTTTCTGGTG
 GCCATGGGCCGCTTTGGCACCCAGAAGAGTTCAATTGTGCCTACTGCAAGACCTCCCTAGCAGATGTGT
 GCTTTGTGGAGGAGCAGAACACGTTTACTGCGAGCGGTGTACGAGCAGTTCTTTGCCCGATCTGTGC
 CAAATGTAACACCAAAATCATGGGGGAAGTGATGCACGCTCTGCGACAGACATGGCACACCACCTGCTT
 GTCTGTGCAGCCTGCAAGAAGCCCTTTGGGAACAGCCTTCCACATGGAGGATGGAGAGCCATACTGTG
 AGAAAGACTACATCAACCTGTTACGACCAAGTGCCATGGATGCGATTTCCCTGTGGAAGCTGGTGACAA
 GTTTATCGAGGCCCTGGGGCACACCTGGCATGACACCTGCTTCATTTGTGCGGTCTGCCACGTGAATCTG
 GAGGGTCAGCCATTCTACTTAAGAAAGACAACCACTGTGCAAGAAGCACGCACATGCCATCACGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219031 representing NM_011918
 Red=Cloning site Green=Tags(s)

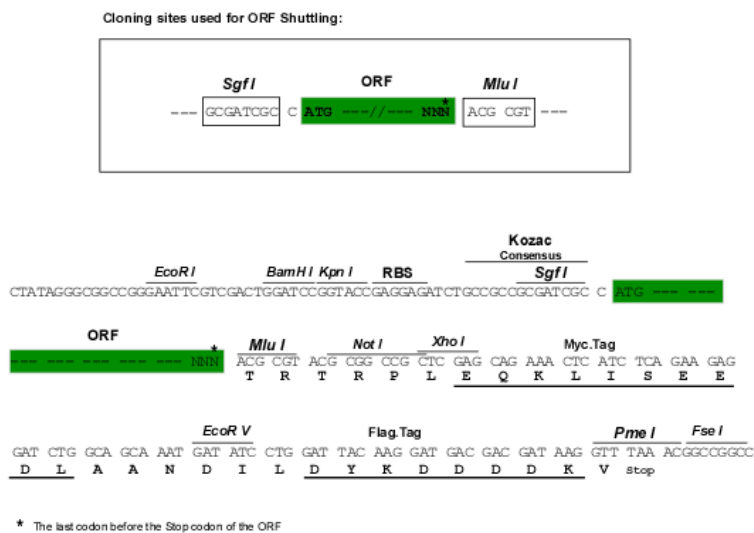
MSYSVTLTGPWPWFRLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK
 SASYNLSLTLQSKRPIPISTTAPPIQSPLPVIPHQKDPALDTNGSLATPSPSPEARASPGALEFGDTFS
 SSFSQTSVCSPLMEASGPVLPVLPVAKASSEGAQGSVSPKVLPGPSQPRQYNNPIGLYSAETLREMAQM
 YQMSLRGKASGAGLLGGSLPVKDLAVDSASPVYQAVIKTQSKPEDEADEWARRSSNLQSRFRILAQMTG
 TEYMQDPDEEALRRSSTPIEHAPVCTSQATSPLLPASAQSPAAAAPAAASPTLATAAATHAAAASAAGPA
 ASPVENPRPQASAYSPAAAASPAPSAHTSYSEGPAAPAPKPRVVTASIRPSVYQVPASSYSPSPGANY
 SPTPYTPSPAPAYTPSPAPTYTPSPAPTYSPSPAPAYTPSPAPNYTPSPAAYSGGPSESASRPPWVTD
 SFSQKFAPGKSTTTVSKQTLPRGAPAYNPTGPQVTPLARGTFQRAERFPASSRTPLCGHCNNVIRGPFV
 AMGRSWHPEEFNCAVCKTSLADVCFVEEQNNVYCERCYEQFFAPICAKCNTKIMGEVMHALRQTWHHTCF
 VCAACKKPFGNLPHMEDGEPYCEKDYINLSTKCHGCDPVEAGDKFIEALGHTWHDTCFICAVCHVNL
 EGQPFYKDKPLCKKHAHAINV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

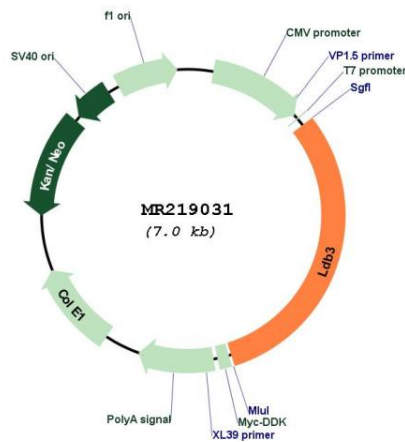
UniProt ID: [Q9JKS4](#)

Cytogenetics: 14 B

MW: 76.9 kDa

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 MR219031