

Product datasheet for **MR219038**

Ldb3 (NM_001039073) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR219038 representing NM_001039073
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTTACAGTGTGACTCTGACTGGGCCTGGGCCTGGGGCTCCGCTGCAGGGAGGCAAGGACTTCA
 ACATGCCCTCACTATCTCCCGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATCCCATCTCCACGACAGCGC
 CTCCCATCCAGTCCCGCTGCCAGTGTCCCCACCAGAAGGTGGTAGCCAATTCTCCAGCCAATGCTGA
 CTACCAGGAACGCTTCAACCCAGCGTCTGAAGGACTCAGCCCTGTCCACCCACAAGCCATTGAAGTG
 AAGGGCTTGGGAGGCAAGGCCACTATCATCCACGCTCAGTACAACACCCCGATCAGCATGTACTCACAGG
 ATGCTATCATGGACGCCATCGCGGGCAGGCCAGGCCAGGGCAGTGACTTCAGTGGGGCTCTCCGCT
 GCGGAGCCTCCCTGTAAAGACTTGGCGGTGGACAGCGCTCTCCTGTGTACCAGGCTGTGATCAAACC
 CAAAGCAAGCCGAAGATGAGGCTGATGAGTGGGCCCGCCGGTCTCCAACCTGCAGTCTCGCTCCTTCC
 GCATCCTGGCCCAGATGACCGGGACAGAATACATGCAAGACCCTGATGAAGAGGCTCTGCGAAGGTCAAG
 GCCACAGGCTCTGCTTACAGTCTGCAGCCGCCGCTTCTCCAGCACCTCTGCCATACCAGCTACAGC
 GAGGGTCCAGTCCCTGCACCAAGCCTCGGGTCGTAACCACTGCCAGCATCCGGCCTTCTGTCTACC
 AGCCAGTGCTGCATCTTCTACAGCCATCTCCAGGAGCCAATTACAGTCCAACCTCCTATACCCCTTC
 GCCAGTCTCTGCTTATACCCCTCTCCTGCTCCACCTATACCCCTCACCTGCACCTACATACTCCCT
 TCCCTGCACAGCTTATACCCCTCACCTGCCCAAACCTATACCCCTACACCATCAGTGCCTACAGTG
 GGGGCCCTTCAGAATCTGCCAGCGTCCACCTGGGTGACCGATGACAGCTTCTCTCAGAAGTTTGTCTCC
 TGGAAAGAGCACTACCACTGTGAGCAAGCAGACCTGCCCGGGGGCTCCAGCCTACAACCCAACAGGT
 CCACAAGTGACACCTCTTCCAGGGGCACCTTCCAGAGAGCTGAGCGCTTCCAGCTAGCAGCCGACTC
 CCCTCTGTGGCACTGTAACAATGTGATCAGGGGCCCTTTTCTGGTGGCCATGGGCCGCTTGGCACCC
 AGAAGAGTTCAATTGTGCTACTGCAAGACCTCCCTAGCAGATGTGTGCTTTGTGGAGGAGCAGAACAAC
 GTTACTGCGAGCGGTGTACGAGCAGTCTTTGCCCGATCTGTGCAAATGTAACACCAAAATCATGG
 GGAAGTGATGCACGCTCTGCGACAGACATGGCACACCACCTGCTTTGTCTGTGCAGCCTGCAAGAAGCC
 CTTTGGGAACAGCCTCTCCACATGGAGGATGGAGAGCCATACTGTGAGAAAGACTACATCAACCTGTC
 AGCACCAAGTCCATGGATGCGATTTCCCTGTGGAAGCTGGTACAAGTTTATCGAGGCCCTGGGCACA
 CCTGGCATGACACCTGCTTCATTTGTGCGGTCTGCCACGTGAATCTGGAGGGTCAGCCATTCTACTTAA
 GAAAGACAACCCTGTGCAAGAAGCACGCACATGCCATCAACGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219038 representing NM_001039073
 Red=Cloning site Green=Tags(s)

MSYSVTLTGPGPWGFRLLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK
 SASYNLSLTLQSKRPIPISTTAPPIQSPLPVIPHQKVVANSPANADYQERFNPSVLKDSALSTHKPIEV
 KGLGGKATIIHAQYNTPIISMYSQDAIMDAIAGQAQAGSDFSGASPLASLPVKDLAVDSASPVYQAVIKT
 QSKPEDEADEWARRSSNLQSRFRILAQMTGTEYMQDPDEEALRRSRPQASAYSPAAAAASPAPSAHTSYS
 EGPAAPAPKPRVTTASIRPSVYQVPASSYSPSPGANYSPTPYTPSPAPAYTPSPAPTYTPSPAPTYSP
 SPAPAYTPSPAPNYTPTPSAAYSGGPSESASRPPWVTDDSFSSQKFAFGKSTTTVSKQTLPRGAPAYNPTG
 PQVTPLARGTFQRAERFPASSRTPLCGHNNVIRGPFLVAMGRSWHPPEFNCAAYCKTSLADVCFVVEEQNN
 VYCERCYEQFFAPICAKCNTKIMGEVMHALRQTHWTTFCVCAACKKPFNGSLFHMEDGEPYCEKDYINLF
 STKCHGCDPVEAGDKFIEALGHTWHTCFICAVCHVNLEGQPFYSKDKKPLCKKHAHAIVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-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

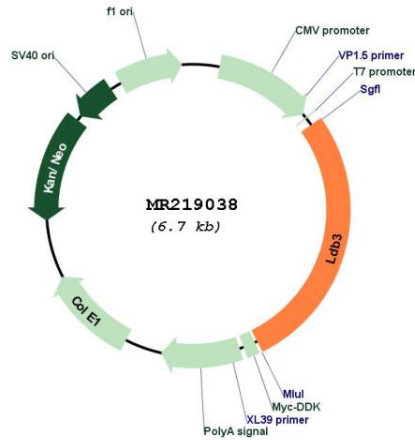
RefSeq ORF: 1869 bp

Locus ID: 24131

UniProt ID: [Q9JKS4](#)

Cytogenetics: 14 B
MW: 67.5 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 MR219038