

Product datasheet for **MR216832**

Ldb3 (NM_001039074) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb3 (NM_001039074) 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:**

>MR216832 representing NM_001039074
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTACAGTGTGACTCTGACTGGGCCTGGGCCTGGGGCTCCGCTGCAGGGAGGCAAGGACTTCA
 ACATGCCCTCACTATCTCCCGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATCCCATCTCCACGACAGCGC
 CTCCCATCCAGTCCCGCTGCCAGTGATCCCCACCAGAAGGTGGTAGCCAATTCTCCAGCCAATGCTGA
 CTACCAGGAACGCTTCAACCCAGCGTCTGAAGGACTCAGCCCTGTCCACCCACAAGCCATTGAAGTG
 AAGGGCTGGGAGGCAAGGCCACTATCATCCACGCTCAGTACAACACCCCGATCAGCATGTACTCACAGG
 ATGCTATCATGGACGCCATCGCGGGCAGGCCAGGCCAGGGCAGTGACTTCAGTGGGGCTCTCCGCT
 GCGCAGCTCCCTGTGAAAGACTTGGCGGTGGACAGCGCCTCTCCTGTGTACCAGGCTGTGATCAAACC
 CAAAGCAAGCCGAAGATGAGGCTGATGAGTGGGCCCGCCGGTCTCCAACCTGCAGTCTCGCTCCTTCC
 GCATCCTGGCCAGATGACCGGGACAGAATACATGCAAGACCCTGATGAAGAGGCTCTGCGAAGGTCAAG
 CACCCCTATTGAGCATGCTCCAGTGTGCACCAGCCAGGCCACTTCCCGCTGCTGCCTGCTTCTGCCAG
 TCGCCCGTGTGCCTCTCCATTGCGGCCTCGCCAACCTGGCCACAGCTGCTGCCACCCATGCTGCTG
 CCGCCTGTGTGACGGCCCTGCCCAAGTCCCGTGGAGAATCCGAGGCCACAGGCCTCTGCTTACAGTCC
 TGCAGCCCGCGTCTTCCAGCACCTCTGCCATACCAGCTACAGCGAGGGTCCAGCTGCCCTGCACCC
 AAGCCTCGGGTCGTAACCACTGCCAGCATCCGGCCTTCTGTCTACCAGCCAGTGCCTGCATTTCTTACA
 GCCCATCTCCAGGAGCCAATTACAGTCCAACCTTATACCCCTTCGCCAGCTCCTGCTTATACCCCTC
 TCCTGCTCCACCTATACCCCTCACCTGCACCTACATACTCCCTTCCCTGCACCAGCTTATACCCCTC
 TCACTGCCCAAACCTATACCCCTACACCATCAGCTGCCTACAGTGGGGCCCTTCAGAATCTGCCAGCC
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 TCATCAGGGGCCCTTTTCTGGTGGCCATGGGCCGCTTGGCACCCAGAAGAGTTCAATTGTGCCTACTG
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 CAGTTCTTTGCCCGATCTGTGCCAAATGTAACACCAAAATCATGGGGGAAGTATGCACGCTCTGCGAC
 AGACATGGCACACCACCTGCTTTGTCTGTGCAGCCTGCAAGAAGCCCTTGGGAACAGCCTTCCACAT
 GGAGGATGGAGAGCCATACTGTGAGAAAGACTACATCAACCTGTTGAGCACAAGTGCCATGGATGCGAT
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 GTGCGGTCTGCCAGTGAATCTGGAGGGTCAGCCATTCTACTTAAGAAAGACAAACCACTGTGCAAGAA
 GCACGCACATGCCATCAACGTG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216832 representing NM_001039074
Red=Cloning site Green=Tags(s)

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MSYSVTLTGPWPWFRLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK
SASYNLSLTLQSKRPIPISTTAPPIQSPLVPIPHQKVVANSPANADYQERFNPSVLKDSALSTHKPIEV
KGLGGKATIIHAQYNTPI SMYSQDAIMDAIAGQAQAQGSDFSGASPLASLPVKDLAVDSASPVYQAVIKT
QSKPEDEADEWARRSSNLQSRFRILAQMTGTEYMQDPDEEALRRSSTPIEHAPVCTSQATSPLLPASAQ
SPAAASPIAASPTLATAAATHAAAASAAGPAASPVENPRPQASAYSPAAAASPAHSAHTSYSEGAAPAP
KPRVVTASIRPSVYQVPVASSYSPGANYSPTPYTPSPAPAYTPSPAPTYTPSPAPTYSPSPAPAYTP
SPAPNYTPPSAAYSGPSESASRPPWTD DSFSQKFAPGKSTTTVSKQTLPRGAPAYNPTGPQVTPPLAR
GTFQRAERFPASSRTPLCGHNNVIRGPFLVAMGRSWHPPEFNCA YCKTSLADVCFVEEQNNVYCERCYE
QFFAPICAKCNTKIMGEVMHALRQTWHHTCFVCAACKKPF GNSLFHMEDGEPYCEKDYINL FSTKCHGCD
FPVEAGDKFIEALGHTWHDTCFICAVCHVNLEGPFFYSKKDKPLCKKHAHAINV
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001039074

ORF Size: 2052 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_001039074.2](#), [NP_001034163.1](#)

RefSeq Size: 4954 bp

RefSeq ORF: 2055 bp

Locus ID: 24131

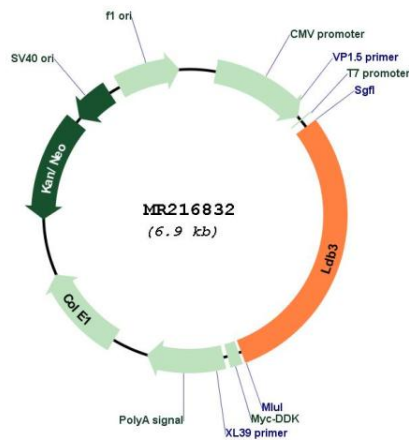
UniProt ID: [Q9JKS4](#)

Cytogenetics: 14 B

MW: 73.2 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 MR216832