

## Product datasheet for MR218293

### Ldb3 (NM\_001039075) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb3 (NM_001039075) 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)
ORF Nucleotide Sequence:	>MR218293 representing NM_001039075 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTTACAGTGTGACTCTGACTGGGCCTGGGCCCTGGGGCTCCGTCTGCAGGGAGGCAAGGACTTCA  
ACATGCCCTCACTATCTCCGGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA  
CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG  
TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCTATCCCATCTCCACGACAGCGC  
CTCCCATCCAGTCCCGCTGCCAGTGATCCCCACCAGAAGGTGGTAGCCAATTCTCCAGCCAATGCTGA  
CTACCAGGAACGCTTCAACCCAGCGTCTGAAGGACTCAGCCCTGTCCACCACAAGCCATTGAAGTG  
AAGGGCTTGGGAGGCAAGGCCACTATCATCCAGCTCAGTACAACACCCCGATCAGCATGTACTCACAGG  
ATGCTATCATGGACGCCATCGCGGGCAGGCCAGGCCAGGGCAGTGACTTCAGTGGGGCGTCTCCGCT  
GGCGAGCTCCCTGTGAAAGACTTGGCGGTGGACAGCGCCTCTCCTGTGTACCAGGCTGTGATCAAACC  
CAAAGCAAGCCGGAAGATGAGGCTGATGAGTGGGCCCGCCGCTCCAACCTGCAGTCTCGCTCCTTCC  
GCATCTGGCCAGATGACCGGGACAGAATACATGCAAGACCTGATGAAGAGGCTCTGCGAAGGTCAAG  
GGAAAGGTTTGAACGGAACGTAAACAGCCACGTTTTGCCAAATTGCGCAACTGGCACCAGGCCCTTCA  
GCCCAAATCCTTAATGTTAAAAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR218293 representing NM\_001039075  
 Red=Cloning site Green=Tags(s)

MSYSVTLTGPWPWFRLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK  
 SASYNLSLTLQSKRPIPISTTAPPIQSPLPVIPHQKVVANSPANADYQERFNPSVLKDSALSTHKPIEV  
 KGLGGKATIIHAQYNTPI SMYSQDAIMDAIAGQAQAQGSDFSGASPLASLPVKDLAVDSASPVYQAVIKT  
 QSKPEDEAEWARRSSNLQSRFRILAQMTGTEYMQDPDEEALRRSRERFETERNSPRFAKLNRNWHHGLS  
 AQILNVKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001039075

**ORF Size:** 864 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\\_001039075.2](#), [NP\\_001034164.1](#)

**RefSeq Size:** 1506 bp

**RefSeq ORF:** 867 bp

**Locus ID:** 24131

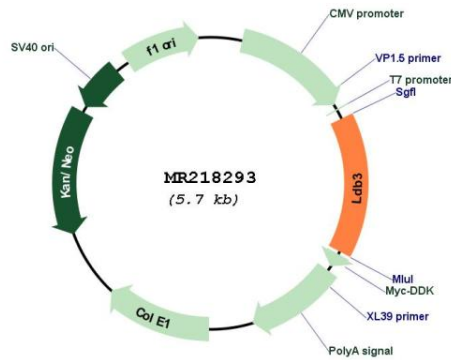
**UniProt ID:** [Q9JKS4](#)

**Cytogenetics:** 14 B

**MW:** 31.9 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 MR218293