

## Product datasheet for **MC220428**

### Ldb3 (NM\_001039072) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb3 (NM_001039072) Mouse Untagged Clone
Tag:	Tag Free
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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**Fully Sequenced ORF:** >MC220428 representing NM\_001039072  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCTTACAGTGTGACTCTGACTGGCCCTGGCCCTGGGGCTCCGCTGCAGGGAGGCAAGGACTTCA  
 ACATGCCCTCACTATCTCCCGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA  
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG  
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATCCCATCTCCACGACAGCGC  
 CTCCCATCCAGTCCCGCTGCCAGTGATCCCCACCAGAAGGTGGTAGCCAATTCTCCAGCCAATGCTGA  
 CTACCAGAAACGCTTCAACCCAGCGTCTGAAGGACTCAGCCCTGTCCACCCACAAGCCATTGAAGTG  
 AAGGGCTTGGGAGGCAAGGCCACTATCATCCACGCTCAGTACAACACCCCGATCAGCATGTACTCACAGG  
 ATGCTATCATGGACGCCATCGCGGGCAGGCCAGGCCAGGGCAGTGACTTCAGTGGGAGCCTCCCTGT  
 GAAAGACTTGGCGGTGGACAGCGCTCTCCTGTGTACCAGGCTGTGATCAAACCCAAAGCAAGCCGGAA  
 GATGAGGCTGATGAGTGGGCCCGCGGTCTCCAACCTGCAGTCTCGCTCCTCCGCATCCTGGCCAGA  
 TGACCCGGACAGAATACATGCAAGACCCTGATGAAGAGGCTCTGCGAAGGTCAAGCACCCCTATTGAGCA  
 TGCTCCAGTGTGCACCAGCCAGGCCACTTCCCCGCTGCTGCTGCTTCTGCCAGTCGCCCGCTGTGCC  
 TCTCCCATTGGCGCTCGCAACCTGGCCACAGCTGCTGCCACCCATGTGCTGCCGCTCTGTGCGAG  
 GCCCTGCCGAAGTCCCGTGGAGAATCCGAGGCCACAGGCCTCTGCTTACAGTCTGCAGCCGCCGCTTC  
 TCCAGCACCTCTGCCATACCAGCTACAGCGAGGGTCCAGTCCCTGCACCAAGCCTCGGGTCGTA  
 ACCATTGCCAGCATCCGGCCTTCTGTCTACCAGCCAGTGCCTGCATCTTCTACAGCCCATCTCCAGGAG  
 CCAATTACAGTCCAACCTCCTATACCCCTCGCCAGCTCCTGCTTATACCCCTCTCCTGTCCCACCTA  
 TACCCCTCACCTGCACCTACATACTCCCTTCCCTGCACCAGCTTATACCCCTCACCTGCCCAAAC  
 TATACCCCTACACCATCAGCTGCCTACAGTGGGGCCCTTCAAGTCTGCCAGCCGTCCACCCTGGGTGA  
 CCGATGACAGTCTCTCAGAAGTTTGCTCCTGGAAAGAGCACTACCACTGTGAGCAAGCAGACCCTGCC  
 CCGGGGGCTCCAGCCTACAACCAACAGGTCCACAAGTGACACCTCTTGCCAGGGGCACCTCCAGAGA  
 GCTGAGCGCTTCCAGCTAGCAGCCGACTCCCTCTGTGGCACTGTAACAATGTCATCAGGGGCCCTT  
 TTCTGGTGGCCATGGCCGCTCTGGCACCCAGAAGATTCAATTGTGCCTACTGCAAGACCTCCCTAGC  
 AGATGTGTGCTTTGTGGAGGAGCAGAACAACGTTTACTGCGAGCGGTGTTACGAGCAGTCTTTGCCCG  
 ATCTGTGCCAAATGTAACACCAAAATCATGGGGGAAGTATGCAGCTCTGCGACAGACATGGCACACCA  
 CCTGCTTTGTCTGTGACGCTGCAAGAAGCCCTTTGGGAACAGCCTCTCCACATGGAGGATGGAGAGCC  
 ATACTGTGAGAAAGACTACATCAACCTGTTGACACCAAGTGCCATGGATGCGATTTCCCTGTGGAGCT  
 GGTGACAAGTTTATCGAGGCCCTGGGGCACACCTGGCATGACACCTGCTTCAATTTGTGCGGTCTGCCACG  
 TGAATCTGGAGGGTCAGCCATTCTACTAAGAAAGACAAACCACTGTGCAAGAAGCAGGCACATGCCAT  
 CAACGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001039072
- Insert Size:** 2040 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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]  
Transcript Variant: This variant (3) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. This variant encodes isoform c, which is shorter but with the same N- and C-termini, when it is compared to isoform a.