

Product datasheet for **MC220170**

Ldb3 (NM_001039071) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb3 (NM_001039071) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ldb3
Synonyms:	AW742271; PDLIM6; ZASP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220170 representing NM_001039071
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTTACAGTGTGACTCTGACTGGGCCTGGGCCTGGGGCTCCGTCTGCAGGGAGGCAAGGACTTCA
 ACATGCCCTCACTATCTCCCGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGTCAAG
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATTCCCATCTCCACGACAGCGC
 CTCCCATCCAGTCCCGCTGCCAGTGATCCCCACCAGAAGGACCCTGCTCTGGACACGAACGGCAGCCT
 GCGGACTCCCAGCCCAGCCTGAGGCAAGGGCCAGCCAGGGCCCTGGAGTTCGGGGACACCTTTAGC
 TCCTCCTTCTCCAGACCTGTCTGCAGCCACTCATGGAGGCCTCGGGCCTGTCTTCTCTGGGTA
 GCCAGTGGCCAAGGCCAGCTCAGAGGGTGCACAGGGCTCAGTCAGCCCCAAAGTTCTGCCAGGCCAG
 CCAACCGAGGCAATATAACAACCCATTGGCCTGTACTCAGCAGAGACCCTGAGGGAGATGGCTCAGATG
 TATCAGATGAGCCTCCGAGGGAAGGCCTCAGGTGCTGGACTCCTAGGAGGGAGCCTCCCTGTGAAAGACT
 TGGCGGTGGACAGCGCCTCTCCTGTGTACCAGGCTGTGATCAAAACCCAAAGCAAGCCGGAAGATGAGGC
 TGATGAGTGGGCCCGCCGGTCTCCAACCTGCAGTCTCGTCTTCCGCATCCTGGCCAGATGACCGGG
 ACAGAATACATGCAAGACCCTGATGAAGAGGCTCTGCAAGGTCAAGGCCACAGGCCTCTGCTTACAGTC
 CTGCAGCCGCGCTTCTCCAGCACCTCTGCCATACCAGCTACAGCGAGGGTCCAGTGGCCCTGCACC
 CAAGCCTCGGGTCTGAACCACTGCCAGCATCCGGCCTTCTGTCTACCAGCCAGTGCCTGCATCTTCTAC
 AGCCCCATCCAGGAGCAATTACAGTCCAACCTCCCTATACCCCTTCGCCAGTCTCTGCTTATACCCCT
 CTCTGTCTCCACCTATACCCCTCACCTGCACCTACATACTCCCTTCCCTGCACAGCTTATACCCCT
 CTCACCTGCCCAAACCTATACCCCTACACCATCAGCTGCCTACAGTGGGGGCCCTTCAGAATCTGCCAGC
 CGTCCACCCTGGGTGACCGATGACAGCTTCTCTCAGAAGTTTGCTCCTGGAAAGGACACTACCACTGTCA
 GCAAGCAGACCCTGCCCGGGGGCTCCAGCCTACAACCCAACAGGTCCACAAGTGACACCTCTTGCCAG
 GGGCACCTTCCAGAGAGCTGAGCGCTTCCAGCTAGCAGCCGGACTCCCTCTGTGGGCACTGTAACAAT
 GTCATCAGGGGCCCTTTCTGGTGGCCATGGGCCGCTCTTGGCACCCAGAAGAGTTCAATTGTGCCTACT
 GCAAGACCTCCCTAGCAGATGTGTGCTTGTGGAGGAGCAGAACAACGTTTACTGCGAGCGGTGTTACGA
 GCAGTTCTTTGCCCGATCTGTGCCAAATGTAAACCAAAATCATGGGGAAAGTGTGCACGCTCTGCCA
 CAGACATGGCACACCACCTGCTTTGTCTGTGCAGCCTGCAAGAAGCCCTTGGGAACAGCCTCTTCCACA
 TGGAGGATGGAGAGCCATACTGTGAGAAAGACTACATCAACCTGTTACGACCAAGTGCCATGGATGCGA
 TTTCCCTGTGGAAGCTGGTGACAAGTTTATCGAGGCCCTGGGGCACACCTGGCATGACACCTGCTTCATT
 TGTGCGGTCTGCCACGTGAATCTGGAGGGTCAGCCATTCTACTCTAAGAAAGACAAACCACTGTGCAAGA
 AGCACGCACATGCCATCAACGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001039071
- Insert Size:** 1986 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_001039071.2](#), [NP_001034160.1](#)

RefSeq Size: 4854 bp

RefSeq ORF: 1986 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 (2) lacks an alternate in-frame segment in the coding region, compared to variant 1. The resulting protein (isoform b) is shorter when compared to isoform a.