

Product datasheet for **MC220429**

Ldb3 (NM_001039074) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb3 (NM_001039074) 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: >MC220429 representing NM_001039074
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTACAGTGTGACTCTGACTGGCCCTGGGCCTGGGGCTCCGTCTGCAGGGAGGCAAGGACTTCA
 ACATGCCCTCACTATCTCCCGGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATCCCATCTCCACGACAGCGC
 CTCCCATCCAGTCCCGCTGCCAGTGATCCCCACCAGAAGGTGGTAGCCAATTCTCCAGCCAATGCTGA
 CTACCAGAAACGCTTCAACCCAGCGTCTGAAGGACTCAGCCCTGTCCACCCACAAGCCATTGAAGTG
 AAGGGCTGGGAGGCAAGGCCACTATCATCCACGCTCAGTACAACACCCCGATCAGCATGTACTCACAGG
 ATGCTATCATGGACGCCATCGCGGGCAGGCCAGGCCAGGGCAGTGACTTCAGTGGGGCTCTCCGCT
 GCGCAGCCTCCCTGTAAAGACTTGGCGGTGGACAGCGCCTCTCCTGTGTACCAGGCTGTGATCAAACC
 CAAAGCAAGCCGAAGATGAGGCTGATGAGTGGGCCCGCCGGTCCCAACCTGCAGTCTCGCTCCTTCC
 GCATCCTGGCCAGATGACCGGGACAGAATACATGCAAGACCCTGATGAAGAGGCTCTGCGAAGGTCAAG
 CACCCCTATTGAGCATGCTCCAGTGTGCACCAGCCAGGCCACTTCCCGCTGCTGCCTGCTTCTGCCAG
 TCGCCCGTGTGCCTCTCCATTGCGGCCTCGCCAACCTGGCCACAGCTGCTGCCACCCATGTGCTG
 CCGCCTGTGTGACGGCCCTGCCCAAGTCCCGTGGAGAATCCGAGGCCACAGGCCTCTGCTTACAGTCC
 TGCAGCCCGCGCTTCTCCAGCACCTCTGCCATACCAGCTACAGCGAGGGTCCAGCTGCCCTGCACCC
 AAGCCTCGGGTCGTAACCACTGCCAGCATCCGGCCTTCTGTCTACCAGCCAGTGCCTGCATCTTCTTACA
 GCCCATCTCCAGGAGCCAATTACAGTCCAACCTCCCTATACCCCTTCGCCAGCTCCTGCTTATACCCCTC
 TCCTGCTCCACCTATACCCCTCACCTGCACCTACATACTCCCTTCCCTGCACCAGCTTATACCCCTC
 TCACTGCCCAAACCTATACCCCTACACCATCAGCTGCCTACAGTGGGGCCCTTCAGAATCTGCCAGCC
 GTCCACCTGGGTGACCGATGACAGCTTCTCTCAGAAGTTTGCTCCTGGAAGAGCACTACCACTGTGAG
 CAAGCAGACCCTGCCCGGGGGCTCCAGCCTACAACCAACAGGTCCACAAGTGACACCTTGTCCAGG
 GGCACCTTCCAGAGAGCTGAGCGCTTCCAGCTAGCAGCCGACTCCCCTCTGTGGGCACGTGAACAATG
 TCATCAGGGGCCCTTTCTGGTGGCCATGGGCCGCTTGGCACCCAGAAGAGTTCAATTGTGCTACTG
 CAAGACCTCCCTAGCAGATGTGTGCTTTGTGGAGGAGCAGAACAACGTTTACTGCGAGCGGTGTTACGAG
 CAGTTCTTTGCCCGATCTGTGCCAAATGTAACACCAAAATCATGGGGAAAGTATGCACGCTCTGCGAC
 AGACATGGCACACCACCTGCTTTGTCTGTGCAGCCTGCAAGAAGCCCTTTGGGAACGCCTTCCACAT
 GGAGGATGGAGAGCCATACTGTGAGAAAGACTACATCAACCTGTTTCAGCACCAAGTGCCATGGATGCGAT
 TTCCCTGTGGAAGCTGGTGACAAGTTTATCGAGGCCCTGGGGCACACCTGGCATGACACCTGCTTCAATT
 GTGCGGTCTGCCAGTGAATCTGGAGGGTCAGCCATTCTACTCTAAGAAAGACAAACCACTGTGCAAGAA
 GCACGCACATGCCATCAACGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001039074
- Insert Size:** 2055 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_001039074.2](#), [NP_001034163.1](#)

RefSeq Size: 4954 bp

RefSeq ORF: 2055 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 (5) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. This variant encodes isoform e, which is shorter but with the same N- and C-termini, when it is compared to isoform a.