

## Product datasheet for **MR216809**

### **Ldb3 (NM\_001039071) Mouse Tagged ORF Clone**

#### **Product data:**

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



[View online »](#)

**ORF Nucleotide  
Sequence:**

>MR216809 representing NM\_001039071  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTTACAGTGTGACTCTGACTGGGCCTGGGCCTGGGGCTTCGCTCTGCAGGGAGGCAAGGACTTCA  
 ACATGCCCTCACTATCTCCCGGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA  
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG  
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATCCCATCTCCACGACAGCGC  
 CTCCCATCCAGTCCCGCTGCCAGTGATCCCCACCAGAAGGACCCTGCTCTGGACACGAACGGCAGCCT  
 GGGCAGCTCCAGCCCAGCCCTGAGGCAAGGGCCAGCCAGGGCCCTGGAGTTCGGGGACACCTTTAGC  
 TCCTCCTCTCCAGACCTCTGTCTGCAGCCACTCATGGAGGCCTCGGGCCTGTCTTCTCTGGGTA  
 GCCAGTGGCCAAGGCCAGCTCAGAGGGTGCACAGGGCTCAGTCAGCCCCAAAGTTCTGCCAGGCCAG  
 CCAACCGAGGCAATATAACAACCCATTGGCCTGTACTCAGCAGAGACCCTGAGGGAGATGGCTCAGATG  
 TATCAGATGAGCCTCCGAGGGAAGGCCTCAGGTGCTGGACTCCTAGGAGGGAGCCTCCCTGTGAAAGACT  
 TGGCGGTGGACAGCGCCTCTCCTGTGTACCAGGCTGTGATCAAAACCCAAAGCAAGCCGGAAGATGAGGC  
 TGATGAGTGGGCCCGCCGGTCTCCAACCTGCAGTCTCGCTCCTTCCGCATCCTGGCCCAGATGACCGGG  
 ACAGAATACATGCAAGACCCTGATGAAGAGGCTCTGCAAGGTCAAGGCCACAGGCCTCTGCTTACAGTC  
 CTGCAGCCGCGCTTCTCCAGCACCTCTGCCCATACCAGCTACAGCGAGGGTCCAGCTGCCCTGCACC  
 CAAGCCTCGGGTCTGAACCACTGCCAGCATCCGGCCTTCTGTCTACCAGCCAGTGCCTGCATCTTCTAC  
 AGCCCATCTCCAGGAGCAATTACAGTCCAACCTCCCTATACCCCTTCGCCAGCTCCTGCTTATACCCCT  
 CTCTGCTCCACCTATACCCCTCACCTGCACCTACATACTCCCTTCCCTGCACCAGTTATACCCCT  
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 CGTCCACCCTGGGTGACCGATGACAGCTTCTCTCAGAAGTTTGCTCCTGGAAAGGCACTACCACTGTCA  
 GCAAGCAGACCCTGCCCGGGGGCTCCAGCCTACAACCCAACAGGTCCACAAGTGACACCTCTTGCCAG  
 GGGCACCTTCCAGAGAGCTGAGCGCTTCCAGCTAGCAGCCGGACTCCCTCTGTGGGCACTGTAACAAT  
 GTCATCAGGGGCCCTTTTCTGGTGGCCATGGGCCGCTCTTGGCACCCAGAAGAGTTCAATTGTGCCTACT  
 GCAAGACCTCCCTAGCAGATGTGTGCTTGTGGAGGAGCAGAACAACGTTTACTGCGAGCGGTGTTACGA  
 GCAGTTCTTTGCCCGATCTGTGCCAAATGTAACACCAAATCATGGGGGAAGTATGCACGCTCTGCGA  
 CAGACATGGCACACCACCTGCTTTGTCTGTGCAGCCTGCAAGAAGCCCTTTGGGAACAGCCTCTCCACA  
 TGGAGGATGGAGAGCCATACTGTGAGAAAGACTACATCAACCTGTTACGACCAAGTGCCATGGATGCGA  
 TTTCCCTGTGGAAGCTGGTGACAAGTTTATCGAGGCCCTGGGGCACACCTGGCATGACACCTGCTTCATT  
 TGTGCGGTCTGCCACGTGAATCTGGAGGGTCAGCCATTCTACTCTAAGAAAGACAAACCACTGTGCAAGA  
 AGCACGCACATGCCATCAACGTG

**ACGGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR216809 representing NM\_001039071  
 Red=Cloning site Green=Tags(s)

MSYSVTLTGPWPWFRLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK  
 SASYNLSLTLQSKRPIPISTTAPPIQSPLVPIPHQKDPALDTNGSLATPSPSPEARASPGALEFGDTFS  
 SSFSQTSVCSPLMEASGPVLPVLPSPVAKASSEGAQGSVSPKVLPGPSQPRQYNNPIGLYSAETLREMAQM  
 YQMSLRGKASGAGLLGGSLPVKDLAVDSAPVYQAVIKTQSKPEDEADEWARRSSNLQSRFRILAQMTG  
 TEYMQDPDEEALRRSRPQASAYSPAAAASPAPSAHTSYSEGPAAPKPRVTTASIRPSVYQVPVASSY  
 SPSPGANYSPPTYTPSPAPAYTPSPAPTYTPSPAPTYSPSPAPAYTPSPAPNYTPPTPSAAYSGGPSESAS  
 RPPWVTDDFSQKFAPGKSTTTVSKQTLPRGAPAYNPTGPQVTPPLARGTFQRAERFPASSRTPLCGHCNN  
 VIRGPFLLVAMGRSWHPEEFNCAYCKTSLADVCFVEEQNNVYCERCYEQFFAPICAKCNTKIMGEVMHALR  
 QTWHTTCFVCAACKKPFNGSLFHMEDGEPEYCEKDYINLFSTKCHGCDFFVEAGDKFIEALGHTWHDTCFI  
 CAVCHVNLEGPFFYSKKDKPLCKKHAHAINV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

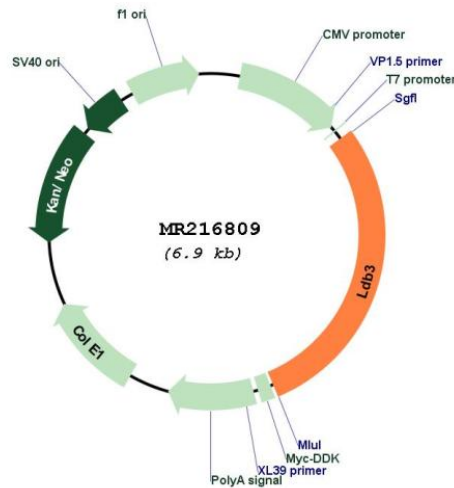
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001039071

ORF Size: 1983 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\\_001039071.2](#), [NP\\_001034160.1](#)

RefSeq Size:	4854 bp
RefSeq ORF:	1986 bp
Locus ID:	24131
UniProt ID:	<a href="#">Q9JKS4</a>
Cytogenetics:	14 B
MW:	71.2 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]