

Product datasheet for **MG216832**

Ldb3 (NM_001039074) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb3 (NM_001039074) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ldb3
Synonyms:	AW742271; PDLIM6; ZASP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG216832 representing NM_001039074
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTACAGTGTGACTCTGACTGGGCCTGGGCCTGGGGCTTCGGTCTGCAGGGAGGCAAGGACTTCA
 ACATGCCCTCACTATCTCCCGATCACTCCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAAGGAGA
 CCTGGTGGTGGCCATTGATGGCGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG
 TCGGCCAGCTACAACCTGAGCCTCACTCTACAGAAGTCCAAGCGGCCTATCCCATCTCCACGACAGCGC
 CTCCCATCCAGTCCCGCTGCCAGTGATCCCCACCAGAAGGTGGTAGCCAATTCTCCAGCCAATGCTGA
 CTACCAGAAACGCTTCAACCCAGCGTCTGAAGGACTCAGCCCTGTCCACCCACAAGCCATTGAAGTG
 AAGGGCTGGGAGGCAAGGCCACTATCATCCACGCTCAGTACAACACCCCGATCAGCATGTACTCACAGG
 ATGCTATCATGGACGCCATCGCGGGCAGGCCAGGCCAGGGCAGTGACTTCAGTGGGGCTCTCCGCT
 GCGCAGCTCCCTGTGAAAGACTTGGCGGTGGACAGCGCCTCTCCTGTGTACCAGGCTGTGATCAAACC
 CAAAGCAAGCCGAAGATGAGGCTGATGAGTGGGCCCGCCGGTCTCCAACCTGCAGTCTCGCTCCTTCC
 GCATCCTGGCCAGATGACCGGGACAGAATACATGCAAGACCCTGATGAAGAGGCTCTGCGAAGGTCAAG
 CACCCCTATTGAGCATGCTCCAGTGTGCACCAGCCAGGCCACTTCCCGCTGCTGCCTGCTTCTGCCAG
 TCGCCCGTGTGCCTCTCCATTGCGGCCTCGCCAACCTGGCCACAGCTGCTGCCACCCATGCTGCTG
 CCGCCTGTGTGACGGCCCTGCCCAAGTCCCGTGGAGAATCCGAGGCCACAGGCCTCTGCTTACAGTCC
 TGCAGCCCGCGTCTTCCAGCACCTCTGCCATACCAGCTACAGCGAGGGTCCAGCTGCCCTGCACCC
 AAGCCTCGGGTCGTAACCACTGCCAGCATCCGGCCTTCTGTCTACCAGCCAGTGCCTGCATTTCCCTACA
 GCCCTCTCCAGGAGCCAATTACAGTCCAACCTCCCTATACCCCTTCGCCAGCTCCTGCTTATACCCCTC
 TCCTGCTCCACCTATACCCCTCACCTGCACCTACATACTCCCTTCCCTGCACCAGCTTATACCCCTC
 TCACTGCCCAAACCTATACCCCTACACCATCAGCTGCCTACAGTGGGGCCCTTCAGAATCTGCCAGCC
 GTCCACCTGGGTGACCGATGACAGCTTCTCTCAGAAGTTTGTCTCTGAAAGAGCACTACCACTGTGAG
 CAAGCAGACCCTGCCCGGGGGCTCCAGCCTACAACCAACAGGTCCACAAGTACACCTCTTGGCAGG
 GGCACCTTCCAGAGAGCTGAGCGCTTCCAGCTAGCAGCCGACTCCCTCTGTGGGCACTGTAACAATG
 TCATCAGGGGCCCTTTCTGGTGGCCATGGGCCGCTTGGCACCCAGAAGAGTTCAATTGTGCCTACTG
 CAAGACCTCCCTAGCAGATGTGTCTTTGTGGAGGAGCAGAACAACGTTTACTGCGAGCGGTGTTACGAG
 CAGTTCTTTGCCCGATCTGTGCCAAATGTAACACCAAAATCATGGGGGAAGTATGCACGCTCTGCGAC
 AGACATGGCACACCACCTGCTTTGTCTGTGCAGCCTGCAAGAAGCCCTTTGGGAACAGCCTCTTCCACAT
 GGAGGATGGAGAGCCATACTGTGAGAAAGACTACATCAACCTGTTTCAGCACCAAGTGCCATGGATGCGAT
 TTCCCTGTGGAAGCTGGTGACAAGTTTATCGAGGCCCTGGGGCACACCTGGCATGACACCTGCTTCAATT
 GTGCGTCTGCCAGTGAATCTGGAGGGTCAGCCATTCTACTTAAGAAAGACAAACCACTGTGCAAGAA
 GCACGCACATGCCATCAACGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216832 representing NM_001039074
 Red=Cloning site Green=Tags(s)

MSYSVTLTGPWPWFRLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK
 SASYNLSLTLQKSKRPIPISTTAPPIQSPLPVIPHQKVVANSPANADYQERFNPSVLKDSALSTHKPIEV
 KGLGGKATIIHAQYNTPI SMYSQDAIMDAIAGQAQGSDFSGASPLASLPVKDLAVDSASPVYQAVIKT
 QSKPEDEADEWARSSNLQSRFRILAQMTGTEYMQDPDEEALRRSSTPIEHAPVCTSQATSPLLPASAQ
 SPAAASPIAASPTLATAAATHAAAASAAGPAASPVENPRPQASAYSPAAAASPAPSAHTSYSEGPAAPAP
 KPRVTTASIRPSVYQVPVASSYSPGANYSPTYTPSPAPAYTPSPAPTYTPSPAPTYSPSPAPAYTP
 SPAPNYTPPSAAYS GGPSSESARPPWTD DSFSQKFAPGKSTTTVSKQTLPRGAPAYNPTGPQVTPLAR
 GTFQRAERFPASSRTPLCGHNNVIRGPFLVAMGRSWHPPEFNCA YCKTSLADVCFVEEQNNVYCERCYE
 QFFAPICAKCNTKIMGEVMHALRQTWHHTCFVCAACKKPF GNSLFHMEDGEPYCEKDYINL FSTKCHGCD
 FPVEAGDKFIEALGHTWHDTCFICAVCHVNLEGQPFYSKKDKPLCKKHAHAINV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001039074

ORF Size: 2052 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_001039074.2](#), [NP_001034163.1](#)

RefSeq Size: 4954 bp

RefSeq ORF: 2055 bp

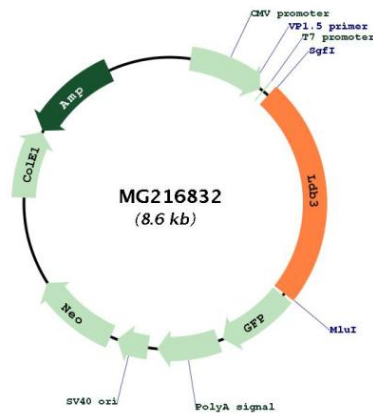
Locus ID: 24131

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]

Product images:



Circular map for MG216832