

Product datasheet for MC208871

Ldb1 (NM_010697) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ldb1 (NM_010697) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Ldb1
 Synonyms: CLIM2; NLI
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC208871 representing NM_010697
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGATCGGGATGTGGGCCAACTCCCATGTACCCACCTACATACCTGGAGCCTGGGATCGGGAGGC
 ACACACCATATGGTAACCAAACCGACTATAGAATATTTGAGCTTAACAAACGGCTACAGAACTGGACAGA
 GGAGTGTGACAATCTCTGGTGGGATGCTTTCACAACCTGAGTTCTTTGAAGATGACGCCATGCTGACCATC
 ACTTTCTGCTTGGAGGATGGACCAAGAGATATACCATTGGCCGGACCCTGATACCACGCTACTTCCGAA
 GCATTTTTGAGGGGGTCCACAGAGCTGTACTACGTGCTCAAGCACCCCAAGGAGGCATTCCACAGCAA
 CTTCTGTCCCTCGACTGTGACCAGGGCAGCATGGTGACCAGCAGCGCAAACCCATGTTTACCCAGGTG
 TGTGTGGAAGGCCGGTTGTACCTGGAGTTCATGTTTGACGACATGATGCGGATAAAGACGTGGCACTTCA
 GCATCCGGCAACACAGAGAGCTCATCCCCAGAAGTATCCTGGCCATGCACGCCAGGACCCCGAGATGCT
 GGATCAGCTGTCCAAAAACATTACCCGGTGTGGGCTGTCCAATCCACTCTCAACTACCTCCGACTCTGT
 GTGATACTAGAGCCCATGCAGAACTTATGTCCCGCCACAAGACCTACAGCCTCAGCCCCGAGACTGCC
 TCAAGACCTGCCCTTCCAGAAGTGGCAGCGAATGGTAGCGCTCCCGGGAGCCCGCAGCAGCAGCAGC
 CAGCAAACGGAGAAACGGAAGATGTAGGGGGTACACCATGAGCTCGGGGGTGGCAACACCAACAAC
 AGCAACAGCAAGAAGAAGAGCCAGCCAGCACCTTCGCTCTCTCCAGCCAGGTACCTGATGTGATGGTGG
 TGGGGGAGCCACCCTGATGGGCGGGGAGTTCGGGACGAGGACGAGAGGCTCATACCCGGCTGGAGAA
 CACCCAGTTTACGCGGCCAACGGCATTGACGACGAGGACAGCTTTAACAACTCCCCGCACTGGGCGCC
 AACAGCCCTGGAACAGCAAGCCTCCATCCAGCCAAGAGACAAATCGGAGAATCCCACGTCACAGGCTT
 CCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_010697
Insert Size:	1128 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:	<ol style="list-style-type: none">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:	<u>NM_010697.1</u> , <u>NP_034827.1</u>
RefSeq Size:	2295 bp
RefSeq ORF:	1128 bp
Locus ID:	16825
UniProt ID:	<u>P70662</u>
Cytogenetics:	19 38.75 cM
Gene Summary:	Binds to the LIM domain of a wide variety of LIM domain-containing transcription factors. May regulate the transcriptional activity of LIM-containing proteins by determining specific partner interactions. Plays a role in the development of interneurons and motor neurons in cooperation with LHX3 and ISL1. Acts synergistically with LHX1/LIM1 in axis formation and activation of gene expression. Acts with LMO2 in the regulation of red blood cell development, maintaining erythroid precursors in an immature state.[UniProtKB/Swiss-Prot Function]