

Product datasheet for MR205782

Ldb2 (NM_010698) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb2 (NM_010698) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ldb2
Synonyms:	AI035351; AW146358; CLIM1; CLP-36; Ldb3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205782 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCAGCACACCACATGACCCCTTCTATTCTTCTCCTTTTCGGCCATTTTATAGGAGACATACACCAT
ACATGGTACAGCCAGAGTACCGAATCTATGAGATGAACAAGAGACTGCAGTCTCGTACAGAGGACAGTGA
CAACCTCTGGTGGGATGCGTTTGCCACTGAATTTTTGAAGATGATGCCACATTAACACTTTCATTTTGT
TTGGAAGACGGACCAAAGCGATACACTATCGGCAGGACCCTCATTCCCCGTTATTTAGCACCGTATTTG
AAGGAGGGGTGACAGACCTGACTACATCCTTAAACACTCAAAGGAGTCATATCACAACATCCATCAC
AGTAGACTGCGACCAGTGTGCCATGGTCACACAGCATGGGAAGCCATGTTTACCAAGGTATGCACAGAA
GGCAGGCTGATCTTGAATTCACATTTGATGACCTCATGAGAATAAAAACGTGGCACTTTACCATTAGAC
AGTACAGGGAGCTGGTCCCCAGAAGCATACTAGCCATGCACGCACAAGATCCTCAGGTCCTGGATCAGCT
GTCCAAAAATATCACCAGGATGGGTCTCACAACCTCACCTCACTACCTCAGGTTGTGTGAATACTG
GAGCCAATGCAGGAAGTATGTCGAGACACAAAACCTACAACCTCAGTCCCCGAGACTGCCTGAAGACCT
GTCTGTTTCAGAAGTGGCAGCGGATGGTGGCCCCGCCAGCAGAACCACAAGGCAACCGACAACCAAAAG
GAGAAAACGAAAAACTCCACAAGCAGCACGTCCAATAGCAGTGCCGGGAACACGACCAACAGTGCCGGC
AGCAAGAAGAAGACCCCGCGGCAAGCCTGAGCCTGGCCACTCAGTACCTGATGATGGTGGTAGGAG
AGCCAACCTGATGGGAGGTGAGTTTGGGGACGAGGACGAAAGGCTAATCACTAGATTAGAAAACACGCA
GTATGATGCGGCCAACGGCATGGACGACGAAGAAGACTTCAACAATTCACCTGCCCTGGGGAACAACAGC
CCGTGGAACAGTAAACCTCCCGCCACGCAAGAGACCAAATCAGAAAACGCCCCACCCAGGCTTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205782 protein sequence
 Red=Cloning site Green=Tags(s)

MSSTPHDPFYSSPFGPFYRRHTPYMVQPEYRIYEMNKRLQSRTESDNLWDAFATEFFEDDATLTL SFC
 LEDGPKRYTIGRTLIPRYFSTVFEGGVTDLYIILKHSKESYHNSSITVDCDQCAMVTQH GKPMFTKVCTE
 GRLILEFTFDDL MRIKTWHFTIRQYREL VPR SILAMHAQDPQVLDQLSKNITRMGLTNFTLNYLR LRCVIL
 EPMQELMSRHKTYNLSPRDCLKTCLFQKWQRMVAPPAEPT RQPTTKRRKRKNSTSS TSNSSAGNTTNSAG
 SKKKTPAASLSLATQVPDVMVVGEPTLMGGEFGDEDERLITRLENTQYDAANGMDDEEDFNNSPALGNNS
 PWNSKPPATQETKSENAPPQASQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010698

ORF Size: 1122 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_010698.4](#), [NP_034828.3](#)

RefSeq Size: 2524 bp

RefSeq ORF: 1122 bp

Locus ID: 16826

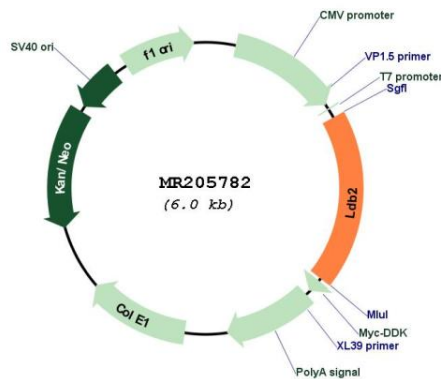
UniProt ID: [O55203](#)

Cytogenetics: 5 B3

MW: 42.7 kDa

Gene Summary: Binds to the LIM domain of a wide variety of LIM domain-containing transcription factors. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205782