

Product datasheet for **MG220910**

Ldb2 (NM_001077398) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb2 (NM_001077398) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ldb2
Synonyms:	AI035351; AW146358; CLIM1; CLP-36; Ldb3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220910 representing NM_001077398 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAGCACACCACATGACCCCTTCTATTCTTCTCCTTTTCGGCCATTTTATAGGAGACATACACCAT
ACATGGTACAGCCAGAGTACCGAATCTATGAGATGAACAAGAGACTGCAGTCTCGTACAGAGGACAGTGA
CAACCTCTGGTGGGATGCGTTTGCCACTGAATTTTTGAAGATGATGCCACATTAACACTTTCATTTTGT
TTGGAAGACGGACCAAAGCGATACTATCGGCAGGACCCTCATTCCCCGTTATTTAGCACCGTATTTG
AAGGAGGGGTGACAGACCTGTACTACATCCTTAAACACTCAAAGGAGTCATATCACAACATCCATCAC
AGTAGACTGCGACCAGTGTGCCATGGTCACACAGCATGGGAAGCCATGTTTACCAAGGTATGCACAGAA
GGCAGGCTGATCTTGAATTCACATTTGATGACCTCATGAGAATAAAAACGTGGCACTTTACCATTAGAC
AGTACAGGGAGCTGGTCCCCAGAAGCATACTAGCCATGCACGCACAAGATCCTCAGGTCCTGGATCAGCT
GTCCAAAAATATCACCAGGATGGGTCTCACAACTTCACCCTCACTACCTCAGGTTGTGTGAATACTG
GAGCCAATGCAGGAAGTATGTCGAGACACAAAACCTACAACCTCAGTCCCCGAGACTGCCTGAAGACCT
GTCTGTTTCAGAAGTGGCAGCGGATGGTGGCCCCGCCAGCAGAACCACAAAGGCAACCGACAACCAAAAG
GAGAAAACGAAAAACTCCACAAGCAGCACGTCCAATAGCAGTGCCGGGAACACGACCAACAGTGCCGGC
AGCAAGAAGAAGACCCCGCGGCAAGCCTGAGCCTGGCCACTCAGGGGCTAGGAGCCATCCCGAAGTCA
GCCTCAACCCCTGGGAGGGATGGAGACCTGTGTCATTCAACAGCAGTGACCCTTCTGGCCAATTTAAGGA
GAAGCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220910 representing NM_001077398
 Red=Cloning site Green=Tags(s)

MSSTPHDPFYSSPFGPFYRRHTPYMVQPEYRIYEMNKRLQSRTESDNLWDAFATEFFEDDATLTL SFC
 LEDGPKRYTIGRTLIPRYFSTVFEGGVTDLYYILKHSKESYHNSSITVDCDQCAMVTQH GKPMFTKVCTE
 GRLILEFTFDDLRIKTHWHTIRQYREL VPRSILAMHAQDPQVLDQLSKNITRMGLTNFTLN YLRLCVIL
 EPMQELMSRHKTYNLSPRDCLKLCLFQKWQRMVAPPAEPTRQPTTKRRKRKNSTSS TSNSSAGNTTNSAG
 SKKKTAAASLSLATQGLGAI PNCSLNPGRDGLCHSTAVTPSGQFKEKH

TRTRPLE - GFP Tag - V

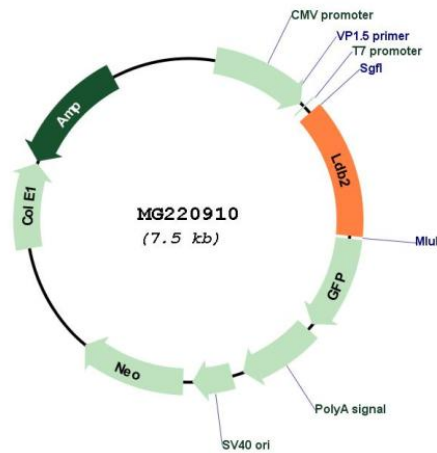
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001077398

ORF Size: 987 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:	<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:	NM_001077398.2 , NP_001070866.1
RefSeq Size:	2622 bp
RefSeq ORF:	990 bp
Locus ID:	16826
UniProt ID:	O55203
Cytogenetics:	5 B3
Gene Summary:	Binds to the LIM domain of a wide variety of LIM domain-containing transcription factors. [UniProtKB/Swiss-Prot Function]