

## Product datasheet for **MG205782**

### Ldb2 (NM\_010698) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb2 (NM_010698) 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:	>MG205782 representing NM_010698 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCAGCACACCACATGACCCCTTCTATTCTTCTCCTTTTCGGCCATTTTATAGGAGACATACACCAT  
ACATGGTACAGCCAGAGTACCGAATCTATGAGATGAACAAGAGACTGCAGTCTCGTACAGAGGACAGTGA  
CAACCTCTGGTGGGATGCGTTTGCCACTGAATTTTTGAAGATGATGCCACATTAACACTTTCATTTTGT  
TTGGAAGACGGACCAAAGCGATACTATCGGCAGGACCCTCATTCCCCGTTATTTAGCACCGTATTTG  
AAGGAGGGGTGACAGACCTGTACTACATCCTTAAACACTCAAAGGAGTCATATCACAACATCCATCAC  
AGTAGACTGCGACCAGTGTGCCATGGTCACACAGCATGGGAAGCCATGTTTACCAAGGTATGCACAGAA  
GGCAGGCTGATCTTGAATTCACATTTGATGACCTCATGAGAATAAAAACGTGGCACTTTACCATTAGAC  
AGTACAGGGAGCTGGTCCCCAGAAGCATACTAGCCATGCACGCACAAGATCCTCAGGTCCTGGATCAGCT  
GTCCAAAAATATCACCAGGATGGGTCTCACAACCTCACCTCACTACCTCAGGTTGTGTGAATACTG  
GAGCCAATGCAGGAAGTATGTCGAGACAAAACTACAACCTCAGTCCCCGAGACTGCCTGAAGACCT  
GTCTGTTTCAGAAGTGGCAGCGGATGGTGGCCCCGCCAGCAGAACCACAAGGCAACCGACAACCAAAAG  
GAGAAAACGAAAAACTCCACAAGCAGCACGTCCAATAGCAGTGCCGGGAACACGACCAACAGTGCCGGC  
AGCAAAAGAAAGACCCCGCGGCAAGCCTGAGCCTGCCCCTCAGTACCTGATGATGGTGGTAGGAG  
AGCCAACCTCTGATGGGAGGTGAGTTTGGGGACGAGGACGAAAGGCTAATCACTAGATTAGAAAACAGCA  
GTATGATGCGGCCAACGGCATGGACGACGAAGAAGACTTCAACAATTCACCTGCCCTGGGGAACAACAGC  
CCGTGGAACAGTAAACCTCCCGCCACGCAAGAGACCAAATCAGAAAACGCCCCACCCAGGCTTCCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205782 representing NM\_010698  
Red=Cloning site Green=Tags(s)

MSSTPHDPFYSSPFGPFYRRHTPYMVQPEYRIYEMNKRLQSRTESDNLWDAFATEFFEDDATLTL SFC  
 LEDGPKRYTIGRTLIPRYFSTVFEGGVTDLYYILKHSKESYHNSSITVDCDQCAMVTQH GKPMFTKVCTE  
 GRLILEFTFDDL MRIKTWHFTIRQYREL VPR SILAMHAQDPQVLDQLSKNITRMGLTNFTLNYLR LCVIL  
 EPMQELMSRHKTYNLSPRDCLKTCLFQKWQRMVAPPAEPTRQPTTKRRKRKNSTSS TSNSSAGNTTNSAG  
 SKKKT PAASLSLATQVPDVMVVGEPTLMGGEFGDEDERLITRLENTQYDAANGMDDEEDFNNSPALGNNS  
 PWNSKPPATQETKSENAPPQASQ

TRTRPLE - GFP Tag - V

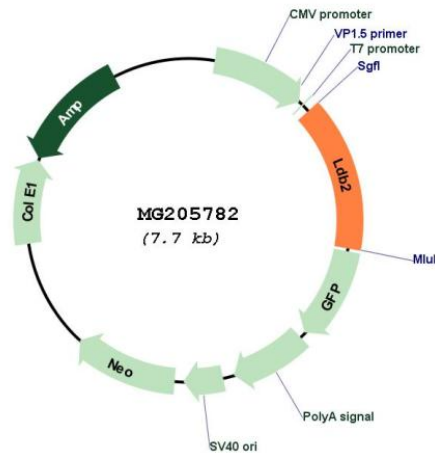
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_010698

<b>ORF Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_010698.4</a> , <a href="#">NP_034828.3</a>
<b>RefSeq Size:</b>	2485 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	16826
<b>UniProt ID:</b>	<a href="#">O55203</a>
<b>Cytogenetics:</b>	5 B3
<b>Gene Summary:</b>	Binds to the LIM domain of a wide variety of LIM domain-containing transcription factors. [UniProtKB/Swiss-Prot Function]