

Product datasheet for **RG204722**

LDB2 (NM_001290) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LDB2 (NM_001290) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LDB2
Synonyms:	CLIM1; LDB-2; LDB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204722 representing NM_001290 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAGCACACCACATGACCCCTTCTATTCTTCTCCTTTTCGGCCATTTTATAGGAGGCATACACCAT
ACATGGTACAGCCAGAGTACCGAATCTATGAGATGAACAAGAGACTGCAGTCTCGCACAGAGGATAGTGA
CAACCTCTGGTGGGACGCCTTTGCCACTGAATTTTTGAAGATGACGCCACATTAACCCCTTCATTTTGT
TTGGAAGATGGACAAAGCGATACACTATCGGCAGGACCCTCATCCCCGTTACTTTAGCACTGTGTTT
AAGGAGGGGTGACCGACCTGTATTACATTCTCAAACACTCGAAAGAGTCATACCACAACATCCATCAC
GGTGGACTGCGACCAGTGTACCATGGTCAACCAGCACGGGAAGCCATGTTTACCAAGGTATGTACAGAA
GGCAGACTGATCTTGGAGTTCACCTTGTATGATCTCATGAGAATCAAACATGGCACTTTACCATTAGAC
AATACCGAGAGTTAGTCCCGAGAAGCATCCTAGCCATGCATGCACAAGATCCTCAGGTCCTGGATCAGCT
GTCCAAAAACATCACCAGGATGGGGCTAACAACTTCACCCTCAACTACCTCAGGTTGTGTGAATATTG
GAGCCAATGCAGGAAGTGTGTCGAGACATAAACTTACAACCTCAGTCCCCGAGACTGCCTGAAGACCT
GCTTGTTCAGAAGTGGCAGAGGATGGTGGCTCCGCCAGCAGAACCACAAGGCAACCAACCAACAAACG
GAGAAAAAGAAAAATTCACCAGCAGCACTTCCAACAGCAGCGCTGGGAACAATGCAACAGCACTGCC
AGCAAGAAGAAGACCACAGCTGCAAACCTGAGTCTGCCAGTACCTGATGTGATGGTGGTAGGAG
AGCCAACCTCTGATGGGAGGTGAGTTTGGGGACGAGGACGAAAGGCTAATCACTAGATTAGAAAACAGCA
ATATGATGCGGCCAACGGCATGGACGACGAGGAGGACTTCAACAATTCACCCGCGCTGGGAACAACAGC
CCGTGGAACAGTAAACCTCCCGCACTCAAGAGACCAAATCAGAAAACCCCCACCCAGGCTTCCCAA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204722 representing NM_001290
 Red=Cloning site Green=Tags(s)

MSSTPHDPFYSSPFGPFYRRHTPYMVQPEYRIYEMNKRLQSRTESDNLWDAFATEFFEDDATLTL SFC
 LEDGPKRYTIGRTLIPRYFSTVFEGGVTDLYYILKHSKESYHNSSITVDCDQCTMVTQH GKPMFTKVCTE
 GRLILEFTFDL MRIKTWHFTIRQYREL VPR SILAMHAQDPQVLDQLSKNITRMGLTNFTLNYLR LRCVIL
 EPMQELMSRHKTYNLSPRDCLKTCLFQKWQRMVAPPAEPT RQPTTKRRKRKNSTSS TSNSSAGNNANSTG
 SKKKTAAANLSLSSQVPDVMVVGEPTLMGGEFGDEDERLITRLENTQYDAANGMDDEEDFNNSPALGNNS
 PWNSKPPATQETKSENPPQASQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001290

ORF Size: 1119 bp

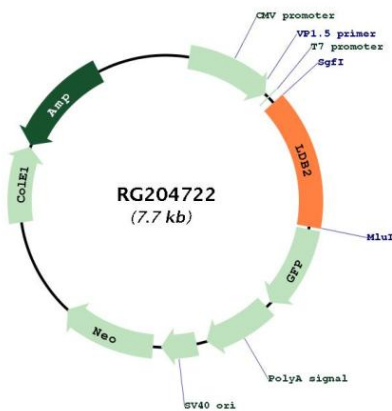
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001290.5
RefSeq Size:	2463 bp
RefSeq ORF:	1122 bp
Locus ID:	9079
UniProt ID:	O43679
Cytogenetics:	4p15.32
Domains:	LIM_bind
Gene Summary:	The protein encoded by this gene belongs to the LIM-domain binding family. Members of this family are characterized by a conserved nuclear localization sequence, an amino-terminal homodimerization domain and a carboxy-terminal LIM interaction domain. These proteins function as adapter molecules to allow assembly of transcriptional regulatory complexes. Genetic association studies suggest functions for this gene in rhegmatogenous retinal detachment and coronary artery disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

Product images:



Circular map for RG204722