

Product datasheet for **SC325781**

LDB2 (NM_001130834) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LDB2 (NM_001130834) Human Untagged Clone
Tag:	Tag Free
Symbol:	LDB2
Synonyms:	CLIM1; LDB-2; LDB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325781 representing NM_001130834. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCAGCACACCACATGACCCCTTCTATTCTTCTCCTTTTCGGCCATTTTATAGGAGGCATACACCA
TACATGGTACAGCCAGAGTACCGAATCTATGAGATGAACAAGAGACTGCAGTCTCGCACAGAGGATAGT
GACAACCTCTGGTGGGACGCCTTTGCCACTGAATTTTTGAAGATGACGCCACATTAACCCCTTCATTT
TGTTTGAAGATGGACCAAAGCGATACACTATCGGCAGGACCCTCATCCCCGTTACTTTAGCACTGTG
TTTGAAGGAGGGGTGACCGACCTGTATTACATTCTCAAACACTCGAAAGAGTCATACCACAACCTCATCC
ATCAGCGTGGACTGCGACCAGTGTACCATGGTCAACCAGCACGGGAAGCCATGTTTACCAAGGTATGT
ACAGAAGGCAGACTGATCTTGGAGTTCACCTTTGATGATCTCATGAGAATCAAAACATGGCACTTTACC
ATTAGACAATACCGAGAGTTAGTCCCGAGAAGCATCCTAGCCATGCATGCACAAGATCCTCAGGTCTG
GATCAGCTGTCCAAAACATCACCAGGATGGGGCTAACAACTTCACCCTCAACTACCTCAGGTTGTGT
GTAATATTGGAGCCAATGCAGGAAGTGTGCGAGACATAAACTTACAACCTCAGTCCCCGAGACTGC
CTGAAGACCTGCTTGTTCAGAAGTGGCAGAGGATGGTGGCTCCGCCAGCAGAACCCACAAGGCAACCA
ACAACCAAACGGAGAAAAAGGAAAAATTCACCAGCAGCACTTCCAACAGCAGCGCTGGGAACAATGCA
AACAGCACTGGCAGCAAGAAGAAGACCAGACTGCAAACCTGAGTCTGTCCAGTCAGGTACCTGGGCTA
GGAGCGATCCCGAAGTGCAGCCTCAACCCTGGGAGGATGGAGACCTGTGTCATTCAACAGCAGTGACC
CCTTCTGGCCAATTTAAGGAGAAGCATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001130834
Insert Size:	996 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001130834.2
RefSeq Size:	2698 bp
RefSeq ORF:	996 bp
Locus ID:	9079
UniProt ID:	O43679
Cytogenetics:	4p15.32
MW:	38 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in the 3' coding region and differs in the 3' UTR compared to variant 1. It encodes isoform b, which is shorter and has a distinct C-terminus compared to isoform a.</p>