

Product datasheet for RC223167

LDB3 (NM_001080116) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LDB3 (NM_001080116) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LDB3
Synonyms:	CMD1C; CMH24; CMPD3; CYPHER; LDB3Z1; LDB3Z4; LVNC3; MFM4; ORACLE; PDLIM6; ZASP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223167 representing NM_001080116 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTTACAGTGTGACCCTGACTGGGCCCGGCCCTGGGGTTCGGTCTGCAGGGGGCAAGGACTTCA
ACATGCCCTCACTATCTCCGGATCACACCAGGCAGCAAGGCAGCCAGTCCCAGCTCAGCCAGGGTGA
CCTCGTGGTGGCCATTGACGGCGTCAACACAGACACCATGACCCACCTGGAAGCCAGAACAAGATCAAG
TCTGCCAGCTACAATTGAGCCTCACCTGCAGAAATCAAAGCGTCCCATTCCCATCTCCACGACAGCAC
CTCCAGTCCAGACCCCTCTGCCGGTATCCCTCACCAGAAGGTGGTAGTCAACTCTCCAGCCAACGCCGA
CTACCAGGAACGCTTCAACCCAGTGCCTGAAGGACTCGGCCCTGTCCACCCACAAGCCATCGAGGTG
AAGGGGCTGGGGCGCAAGGCCACCATCATCCATGCGCAGTACAACACGCCCATCAGCATGTATCCAGG
ATGCCATCATGGATGCCATCGCTGGGCAGGCCAAGCCAAAGGCAGTGACTTCAGTGGGAGCCTCCCTAT
TAAGGACCTTGCCGTAGACAGCGCCTCTCCCGTCTACCAGGCTGTGATTAAGAGCCAGAACAAGCCAGAA
GATGAGGCTGACGAGTGGGCACGCCGTTCTCCAACCTGCAGTCTCGCTCCTCCGCATCCTGGCCAGA
TGACGGGGACAGAATTCATGCAAGACCCTGATGAAGAAGCTCTGCGAAGGTCAAGGGAAAGTTTGAAC
GGAACGTAAACAGCCCACGTTTTGCCAAATTGCGCAACTGGCACCATGGCCTTTACGCCAAATCCTTAAT
GTTAAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001080116.1](#), [NP_001073585.1](#)

RefSeq Size: 1659 bp

RefSeq ORF: 852 bp

Locus ID: 11155

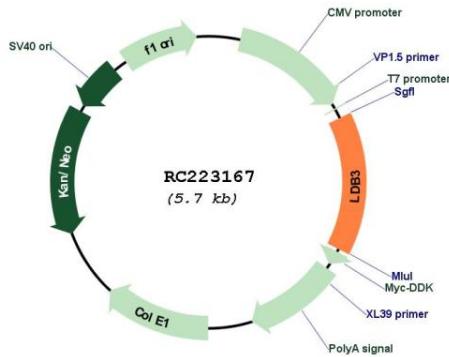
UniProt ID: [O75112](#)

Cytogenetics: 10q23.2

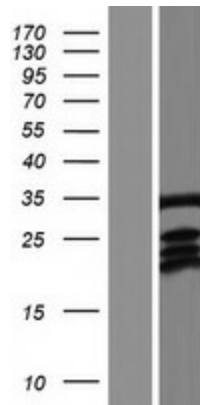
MW: 30.8 kDa

Gene Summary: This gene encodes a PDZ domain-containing protein. PDZ motifs are modular protein-protein interaction domains consisting of 80-120 amino acid residues. PDZ domain-containing proteins interact with each other in cytoskeletal assembly or with other proteins involved in targeting and clustering of membrane proteins. The protein encoded by this gene interacts with alpha-actinin-2 through its N-terminal PDZ domain and with protein kinase C via its C-terminal LIM domains. The LIM domain is a cysteine-rich motif defined by 50-60 amino acids containing two zinc-binding modules. This protein also interacts with all three members of the myozenin family. Mutations in this gene have been associated with myofibrillar myopathy and dilated cardiomyopathy. Alternatively spliced transcript variants encoding different isoforms have been identified; all isoforms have N-terminal PDZ domains while only longer isoforms (1, 2 and 5) have C-terminal LIM domains. [provided by RefSeq, Jan 2010]

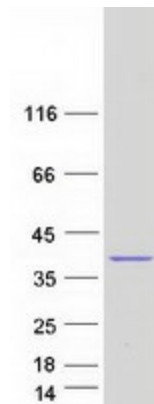
Product images:



Circular map for RC223167



Western blot validation of overexpression lysate (Cat# [LY421587]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223167 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LDB3 protein (Cat# [TP323167]). The protein was produced from HEK293T cells transfected with LDB3 cDNA clone (Cat# RC223167) using MegaTran 2.0 (Cat# [TT210002]).