

Recombinant Human LDB3 cell lysate

Cat. No. LDB3-977HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	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 and 2) have C-terminal LIM domains.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	LDB3 LIM domain binding 3 [Homo sapiens]
Official Symbol	LDB3
Synonyms	LDB3; LIM domain binding 3; LIM domain-binding protein 3; cypher; KIAA0613; oracle; PDLIM6; ZASP; protein cypher; PDZ and LIM domain 6; Z-band alternatively spliced PDZ-motif protein; CMD1C; LVNC3; CYPHER; LDB3Z1; LDB3Z4; ORACLE; FLJ35865; KIAA01613;
Gene ID	11155
mRNA Refseq	NM_001080114
Protein Refseq	NP_001073583
MIM	605906
UniProt ID	O75112
Chromosome Location	10q22.3-q23.2
Function	cytoskeletal protein binding; metal ion binding; protein binding; zinc ion binding;

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