

## Product datasheet for TP323167

### LDB3 (NM\_001080116) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human LIM domain binding 3 (LDB3), transcript variant 4, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223167 representing NM_001080116 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MSYSVTLTGPGPWGFRLLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK SASYNLSLTLQKSKRPIPISTTAPPVQTPLPVIPHQKVVWNSPANADYQERFNPSALKDSALSTHKPIEV KGLGGKATIIHAQYNTPIISMYSQDAIMDAIAGQAQAQGSDFSGSLPIKDLAVDSASPVYQAVIKSQNKPE DEADEWARRSSNLQSRFRILAQMTGTEFMQDPDEEALRRSRERFETERNSPRFAKLNRNWHHGLSAQILN VKS  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	30.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001073585</a></u>
Locus ID:	11155



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UniProt ID: [O75112](#), [A0A0S2Z530](#)

RefSeq Size: 1659

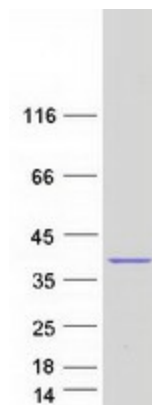
Cytogenetics: 10q23.2

RefSeq ORF: 849

Synonyms: CMD1C; CMH24; CMPD3; CYPHER; LDB3Z1; LDB3Z4; LVNC3; MFM4; ORACLE; PDLIM6; ZASP

**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:



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]).