

## Product datasheet for PH323167

### LDB3 (NM\_001080116) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	LDB3 MS Standard C13 and N15-labeled recombinant protein (NP_001073585)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223167
Predicted MW:	30.8 kDa
Protein Sequence:	>RC223167 representing NM_001080116 Red=Cloning site Green=Tags(s)  MSYSVTLTGPWPWFRLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK SASYNLSLTLQKSKRPIPISTTAPPVQTPLPVIPHQKVVNSPANADYQERFNPSALKDSALSTHKPIEV KGLGGKATIIHAQYNTPIISMYSQDAIMDAIAGQAQAQGSDFSGSLPIKDLAVDSASPVYQAVIKSQNKPE DEADEWARRSSNLQSRFRILAQMTGTEFMQDPDEEALRRSRERFETERNSPRFALRNWHHGLSAQILN VKS  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_001073585</a></u>
RefSeq Size:	1659
RefSeq ORF:	849
Synonyms:	CMD1C; CMH24; CMPD3; CYPHER; LDB3Z1; LDB3Z4; LVNC3; MFM4; ORACLE; PDLIM6; ZASP
Locus ID:	11155



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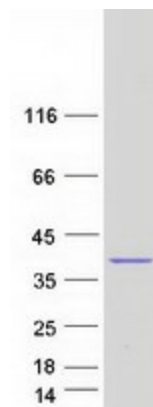
UniProt ID: [O75112](#), [A0A0S2Z530](#)

Cytogenetics: 10q23.2

**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]).