

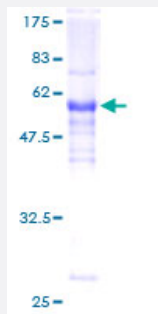
Full-Length

LDB3 (Human) Recombinant Protein (P01)

Catalog # H00011155-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human LDB3 full-length ORF (AAH10929, 1 a.a. - 283 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSYSVTLTGPGPWGFRLLQGGKDFNMPLTISRITPGSKAAQSQSLQGDVVVAIDGVNTDTMTHLEA
QNKIKSASYNLSLTLQKSKRPISTTAPPVQTPLPVIPHQKVVVNSPANADYQERFNPSALKDSAL
STHKPIEVKGLGGKATIIHAQYNTPIISMYSQDAIMDAIAGQAQAQGSDFSGSLPIKDLAVDSASPVY
QAVIKSQNKPEDEADEWARRSSNLQSRSFRLAQMTGTETMQDPDEEALRRSRERFETERNSPR
FAKLRNWHHGLSAQILNVKS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.87

Interspecies Antigen Sequence

Mouse (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LDB3

Entrez GeneID[11155](#)**GeneBank Accession#**[BC010929](#)**Protein Accession#**[AAH10929](#)**Gene Name**

LDB3

Gene Alias

CYPHER, FLJ35865, KIAA01613, KIAA0613, ORACLE, PDLIM6, ZASP, ldb3z1, ldb3z4

Gene Description

LIM domain binding 3

Omim ID[605906 609452](#)**Gene Ontology**[Hyperlink](#)**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 and 2) have C-terminal LIM domains. [provided by RefSeq]

Other Designations

OTTHUMP00000020008|OTTHUMP00000020009|PDZ and LIM domain 6

Disease

- [Alzheimer Disease](#)
- [Cardiomyopathy](#)
- [Genetic Predisposition to Disease](#)
- [Muscular Dystrophies](#)