

Recombinant Mouse Lmcd1 Protein, Myc/DDK-tagged

Cat. No. Lmcd1-3801M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length LIM and cysteine-rich domains 1 (Lmcd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcriptional cofactor that restricts GATA6 function by inhibiting DNA-binding, resulting in repression of GATA6 transcriptional activation of downstream target genes. Represses GATA6-mediated trans activation of lung- and cardiac tissue-specific promoters. Inhibits DNA-binding by GATA4 and GATA1 to the cTNC promoter. Plays a critical role in the development of cardiac hypertrophy via activation of calcineurin/nuclear factor of activated T-cells signaling pathway.
Molecular Mass	41 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 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

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Lmcd1 LIM and cysteine-rich domains 1 [Mus musculus (house mouse)]
Official Symbol	Lmcd1
Synonyms	LMCD1; LIM and cysteine-rich domains 1; LIM and cysteine-rich domains protein 1; dyxin; AW455500; AW553074; MGC29184
Gene ID	30937
mRNA Refseq	NM_144799
Protein Refseq	NP_659048
UniProt ID	Q8VEE1

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