

Datasheet for ABIN7559905
LMCD1 Protein (AA 1-365) (His tag)



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Overview

Quantity:	1 mg
Target:	LMCD1
Protein Characteristics:	AA 1-365
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LMCD1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Lmcd1 Protein expressed in mammalian cells.
Sequence:	<p>MAKVAKDLNP GVQKMSLGQQ QSARGVACLR CKGMCSGFEP HSWRKICKSC KCSQEEHCLS SDLDDDRKIG RLLMDSKYAT LTARVKGGDG IRIYKRNRMI MTNPIATGKD PTFDITITYEW APPGVTQKLG LQYMELIPKE RQPVTGTEGA LYRRRQLMHQ LPIYDQDPSR CRGLVENELK AMEEFVKHYK SEALGVGEVA LPGQGGLPKE ENKTQEKPEG TETTAPTTNG SLGDPSKEVE YVCELCKGAA PVDSPVYAD RAGYSKQWHP TCFQCICKSE PLVDLIYFWK DGAPWCGRHY CESVRPRCSG CDEIIFSEDY QRVEDLAWHR KHFCIGCEQ LLSGRAYIVT KGQLLCPTCS KSKRS</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	LMCD1
Alternative Name:	Lmcd1 (LMCD1 Products)
Background:	LIM and cysteine-rich domains protein 1,FUNCTION: 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. {ECO:0000269 PubMed:16199866, ECO:0000269 PubMed:20026769}.
Molecular Weight:	41.0 kDa
UniProt:	Q8VEE1

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months