

Datasheet for ABIN7557203

Leiomodin 2 Protein (LMOD2) (AA 1-550) (His tag)



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Overview

Quantity:	1 mg
Target:	Leiomodin 2 (LMOD2)
Protein Characteristics:	AA 1-550
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Leiomodin 2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Lmod2 Protein expressed in mammalian cells.
Sequence:	<p>MSTFGYRRGL SKYESIDEDE LLASLSPEEL KELERELEDI EPDRNLPVGL RQKSLTEKTP</p> <p>TGNFSREALM AYWEKESQKL LEKERLGECG KVAEEDKEES EEELIFTESN SEVSEEVCTE</p> <p>DEEESQEEEE DSEEEEDSEE EEETTEATKH INGTVSYNSV NTDNSKPKTF KSQIENINLT</p> <p>NGNSGRTQRN SESPAAIHPC GNPTVIEDAL EKIRNNDPDT TEVNLNNIEN ITTQTLRFA</p> <p>EALKENTVVK TFLANTHAD DAAAIAIADM LKVNEHITSV NVESNFITGK GILAIMRALQ</p> <p>HNTVLTRELRF HNQRHIMGSQ VEMEIVKLLK ENTLLRLGY HFELPGPRMS MTSILTRNMD</p> <p>KQRQKRMQEQ KQEGHDGGA ALRTKVWQRG TPGSSPYASP RQSPWSSPKV SKKVHTGRSR</p> <p>PPSPVAPPPP PPPPLPPHM LPPPPPPPPAP PLPEKKLITR NIAEVIKQQE SAQRALQNGQ</p> <p>RKKKGKKVKK QPNNILKEIK NSLRVQEKK MEDSSRPSTP QRSVHENLME AIRGSSIRQL</p> <p>RRVEVPEALR 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>

Product Details

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Leiomodins 2 (LMOD2)
Alternative Name:	Lmod2 (LMOD2 Products)
Background:	Leiomodins-2 (Cardiac leiomodins) (C-LMOD) (Leiomodins),FUNCTION: Mediates nucleation of actin filaments and thereby promotes actin polymerization (By similarity). Plays a role in the regulation of actin filament length (PubMed:26487682). Required for normal sarcomere organization in the heart, and for normal heart function (PubMed:26487682, PubMed:27274810). {ECO:0000250 UniProtKB:Q6P5Q4, ECO:0000269 PubMed:26487682, ECO:0000269 PubMed:27274810}.
Molecular Weight:	62.0 kDa
UniProt:	Q3UHZ5

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.
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