

Datasheet for ABIN7549076

**Leiomodin 2 Protein (LMOD2) (AA 1-547) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Leiomodin 2 (LMOD2)
Protein Characteristics:	AA 1-547
Origin:	Human
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:	MSTFGYRRGL SKYESIDEDE LLASLSAEEL KELERELEDI EPDRNLPVGL RQKSLTEKTP TGTFREALM AYWEKESQKL LEKERLGECG KVAEDKEESE EELIFTESNS EVSEEVYTEE EEEEEQEEEE EEDSDEEERT IETAKGINGT VNYDSVNSDN SKPKIFKSQI ENINLTNGSN GRNTESPAAI HPCGNPTVIE DALDKIKSND PDTTEVNLNN IENITTQTLT RFAEALKDNT VVKTFSLANT HADDSAAMAI AEMLKVNEHI TNVNVESNFI TGKGILAIMR ALQHNTVLTE LRFHNQRHIM GSQVEMEIVK LLKENTTLR LGYHFELPGP RMSMTSILTR NMDKQRQKRL QEQKQEGYD GGNLRTKVV QRGTPSSSPY VSPRHSPWSS PKLPKKVQTV RSRPLSPVAT PPPPPPPPPP PPPSSQRLPP PPPPPPPPLP EKKLITR NIA EVIKQQESAQ RALQNGQKKK KGKKVKKQPN SILKEIKNSL RSVQEKKMED SSRPSTPQRS AHENLMEAIR GSSIKQLKRV EVPEARL <b>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.</b>

## Product Details

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**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.

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**Characteristics:** **Key Benefits:**

- 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.

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

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**Grade:** custom-made

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## Target Details

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**Target:** Leiomodin 2 (LMOD2)

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**Alternative Name:** LMOD2 ([LMOD2 Products](#))

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**Background:** Leiomodin-2 (Cardiac leiomodlin) (C-LMOD) (Leiomodlin),FUNCTION: Mediates nucleation of actin filaments and thereby promotes actin polymerization (PubMed:18403713, PubMed:26370058, PubMed:25250574, PubMed:26417072). Plays a role in the regulation of actin filament length (By similarity). Required for normal sarcomere organization in the heart, and for normal heart function (PubMed:18403713). {ECO:0000250|UniProtKB:Q3UHZ5, ECO:0000269|PubMed:18403713, ECO:0000269|PubMed:25250574, ECO:0000269|PubMed:26370058, ECO:0000269|PubMed:26417072}.

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**Molecular Weight:** 61.7 kDa

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**UniProt:** [Q6P5Q4](#)

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## Application Details

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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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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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