

Recombinant Human LMOD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LMOD1-2841H Lot. No. (See product label)

SPECIFICATION

Product Overview	LMOD1 MS Standard C13 and N15-labeled recombinant protein (NP_036266) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The leiomodins 1 protein has a putative membrane-spanning region and 2 types of tandemly repeated blocks. The transcript is expressed in all tissues tested, with the highest levels in thyroid, eye muscle, skeletal muscle, and ovary. Increased expression of leiomodins 1 may be linked to Graves' disease and thyroid-associated ophthalmopathy.
Molecular Mass	66.8 kDa
AA Sequence	MSRVAKYRRQVSEDPDIDSLLETLSPEEMEELEKELDVVDPDGSVPVGLRQRNQTE KQSTGVYNREAMLNFCEKETKKLMQREMSMDESKQVETKTDKNGEERGRDASK KALGPRRDSDLGKEPKRGGLKKSFSRDRDEAGGKSGEKPKEEKIIRGIDKGRVRAA VDKKEAGKDGRGEERAVATKKEEEKKGS DRNTGLSRDKDKKREEMKEVAKKEDDE KVKGERRNTDTRKEGEKMKRAGGNTDMKKEDEKVKRGTGNTDTKKDDEKVKKNE PLHEKEAKDDSKTKTPEKQTPSGPTKPSEGPKEVEEEAAPSIFDEPLERVKNNDPE MTEVNVNNSDCITNEILVRFTEALEFNTVVKLFALANTRADDHVAFIAIMLKANKTITS LNLDSNHITGKGILAI FRALLQNNLTTELRFHNQRHICGGKTEMEIAKLLKENTTLLKLG

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YHFELAGPRMTVTNLLSRNMDKQRQKRLQEQRQAQEAKGEKKDLLEVPKAGAVAK
GSPKPSPQPSPKPSKNSPKKGGAPAAPPPPPPLAPPLIMENLNKNSLSPATQRKM
GDKVLPAQEKNRDLQLLAAIRSSNLKQLKKVEVPKLLQTRTRPLEQKLISEEDLAAND
ILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name LMOD1 leiomodins 1 [Homo sapiens (human)]

Official Symbol LMOD1

Synonyms LMOD1; leiomodins 1 (smooth muscle); leiomodins-1; 1D; 64kD; D1; 64 kDa autoantigen 1D; 64 kDa autoantigen D1; 64 kDa autoantigen 1D3; leiomodins, muscle form; smooth muscle leiomodins; leiomodins 1 (smooth muscle); thyroid and eye muscle autoantigen D1 (64kD); thyroid-associated ophthalmopathy autoantigen; SM-LMOD; FLJ55689;

Gene ID 25802

mRNA Refseq NM_012134

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Protein Refseq NP_036266

MIM 602715

UniProt ID P29536

SDS-PAGE



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