

Active Recombinant Full Length Human LMOD1 Protein, C-Flag-tagged

Cat. No. LMOD1-496HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human LMOD1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	ELISA capture for autoantibodies
Molecular Mass	66.8 kDa
AA Sequence	MSRVAKYRRQVSEDPDIDSLLETLSPEEMEELEKELDVVDPDGSVPVGLRQRNQTE KQSTGVYNREAMLN FCEKETKKLMQREMSMDESKQVETKTDKNGEERGRDASK KALGPRRDSDLGKEPKRGGLKKSFSRDRDE AGGKSGEKPKEEKIIRGIDKGRVRAA VDKKEAGKDGRGEERAVATKKEEEKKGSDRNTGLSRDKDKKREE MKEVAKKEDD EKVKGERNTDTRKEGEKMKRAGGNTDMKKEDEKVKRGTGNTDTKKDDEKVKKN

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EPLHEK EAKDDSKTKTPEKQTPSGPTKPSEGPAAKVEEEAAPSIFDEPLERVKNNDP
EMTEVNVNNSDCITNEILVR FTEALEFNTVVKLFALANTRADDHVAFIAIMLKANKTI
TSLNLDNHNITGKGILAFRALLQNNTLTTEL RFHNQRHICGGKTEMEIAKLLKENTTLL
KLGYPHFELAGPRMTVTNLLSRNMDKQRQKRLQEQRQAQEAAG EKKDLLEVPKAGA
VAKGSPKPSQSPKPSKNSPKKGGAPAAPPPPPPLAPPLIMENLNKNSLSPATQ
R
KMGDKVLPAQEKNRSDQLLAIRSSNLKQLKKVEVPKLLQTRTRPLEQKLISEEDLAA
NDILDYKDDDDKV

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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	LMOD1 leiomodlin 1 [Homo sapiens (human)]
Official Symbol	LMOD1
Synonyms	1D; D1; 64kD; MMIHS3; SMLMOD; SM-LMOD

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Gene ID	25802
mRNA Refseq	NM_012134.3
Protein Refseq	NP_036266.2
MIM	602715
UniProt ID	P29536



Coomassie blue staining of purified LMOD1 protein.