

Product datasheet for TP309941

OriGene Technologies, Inc.

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LMOD1 (NM_012134) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human leiomodin 1 (smooth muscle) (LMOD1), 20 μg

Species: Human
Expression Host: HEK293T

Expression cDNA >RC209941 representing NM_012134

Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MSRVAKYRRQVSEDPDIDSLLETLSPEEMEELEKELDVVDPDGSVPVGLRQRNQTEKQSTGVYNREAMLN FCEKETKKLMQREMSMDESKQVETKTDAKNGEERGRDASKKALGPRRDSDLGKEPKRGGLKKSFSRDRDE AGGKSGEKPKEEKIIRGIDKGRVRAAVDKKEAGKDGRGEERAVATKKEEEKKGSDRNTGLSRDKDKKREE MKEVAKKEDDEKVKGERRNTDTRKEGEKMKRAGGNTDMKKEDEKVKRGTGNTDTKKDDEKVKKNEPLHEK EAKDDSKTKTPEKQTPSGPTKPSEGPAKVEEEAAPSIFDEPLERVKNNDPEMTEVNVNNSDCITNEILVR FTEALEFNTVVKLFALANTRADDHVAFAIAIMLKANKTITSLNLDSNHITGKGILAIFRALLQNNTLTEL RFHNQRHICGGKTEMEIAKLLKENTTLLKLGYHFELAGPRMTVTNLLSRNMDKQRQKRLQEQRQAQEAKG

RFHNQRHICGGKTEMEIAKLLKENTTLLKLGYHFELAGPRMTVTNLLSRNMDKQRQKRLQEQRQAQEAKG EKKDLLEVPKAGAVAKGSPKPSPQPSPKPSPKNSPKKGGAPAAPPPPPPPLAPPLIMENLKNSLSPATQR

KMGDKVLPAQEKNSRDQLLAAIRSSNLKQLKKVEVPKLLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 66.8 kDa

Concentration: $>0.05 \mu g/\mu L$ as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol Bioactivity: ELISA capture for autoantibodies (PMID: 28202777)

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.





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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling

conditions. Avoid repeated freeze-thaw cycles.

RefSeq: <u>NP 036266</u>

 Locus ID:
 25802

 UniProt ID:
 P29536

 RefSeq Size:
 3967

 Cytogenetics:
 1q32.1

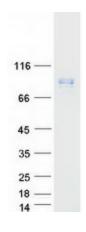
 RefSeq ORF:
 1800

Synonyms: 1D; 64kD; D1; MMIHS3; SM-LMOD; SMLMOD

Summary: The leiomodin 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 leiomodin 1 may be linked to Graves' disease and thyroid-associated ophthalmopathy. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified LMOD1 protein (Cat# TP309941). The protein was produced from HEK293T cells transfected with LMOD1 cDNA clone (Cat# [RC209941]) using MegaTran 2.0 (Cat# [TT210002]).