

Product datasheet for **SC318034**

LMOD1 (NM_012134) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LMOD1 (NM_012134) Human Untagged Clone
Tag:	Tag Free
Symbol:	LMOD1
Synonyms:	1D; 64kD; D1; MMIHS3; SM-LMOD; SMLMOD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

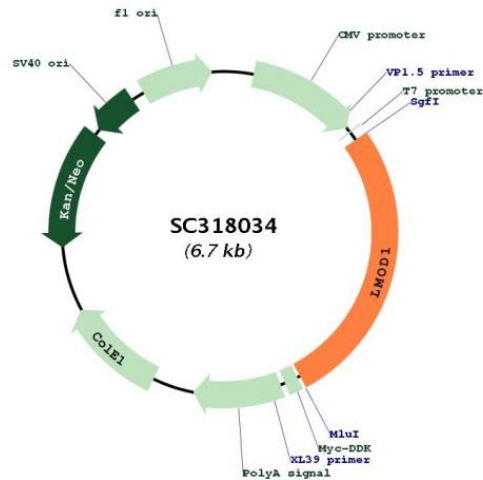


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Fully Sequenced ORF: >SC318034 representing NM_012134.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCTAGAGTAGCCAAATATCGCCGGCAGGTGAGTGAAGACCCCGACATCGACAGCCTGCTGGAGACC
CTGTCTCCCGAGGAGATGGAGGAGCTGGAGAAGGAGCTGGACGTGGTGGACCCAGACGGGAGTGTCCC
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CGGTGAGGGCTGCAGTGGATAAGAAGGAGGCAGGAAGGATGGGAGAGGAGAGGAGGGCAGTGGCC
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TCACTCTACCAGCTACCAGAGGAAGATGGGAGACAAAGTCTCCCTGCCAGGAGAAGAACTCCCGT
GACCAGCTATTGGCTGCCATCCGCTCCAGCAACCTCAAGCAGCTCAAGAAGGTGGAAGTGCCCAAAC TG
CTTCAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_012134

Insert Size: 1803 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_012134.2](#)

RefSeq Size: 3967 bp

RefSeq ORF: 1803 bp

Locus ID: 25802

UniProt ID: [P29536](#)

Cytogenetics: 1q32.1

Domains: WH2, Tropomodulin

MW: 67 kDa

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