

Product datasheet for **SC115528**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115528 sequence for NM_012134 edited (data generated by NextGen Sequencing)

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ATGTCTAGAGTAGCCAAATATCGCCGGCAGGTGAGTGAAGACCCCGACATCGACAGCCTG
CTGGAGACCCTGTCTCCCGAGGAGATGGAGGAGCTGGAGAAGGAGCTGGACGTGGTGGAC
CCAGACGGGAGTGTCCCGTGGGGCTGCGGCAGAGAAACCAGACGGAGAAACAGTCCACG
GGTGTGTACAACCGGGAGGCCATGCTCAACTTCTGTGAAAAGGAGACCAAGAAACTTATG
CAGAGGGAGATGTCATGGATGAAAGCAAGCAAGTGGAGACCAAGACAGATGCCAAGAAT
GGAGAGGAAAGGGCAGAGATGCCAGCAAAAAAGCCCTGGGCCCCAGACGGGACTCAGAT
CTGGGGAAGGAGCCAAAGAGGGGTGGTTTAAAGAAAAGCTTCTCTAGAGACAGAGATGAA
GCTGGTGGCAAGAGTGGCGAGAAGCCAAAGGAGGAGAAGATCATCCGGGGCATTGACAAG
GGCCGGGTGAGGGCTGCAGTGGATAAGAAGGAGGCAGGGAAGGATGGGAGAGGAGAGGAG
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AGCAGGGACAAGGATAAAAAGAGAGAGGAGATGAAGGAGGTGGCCAAGAAAGAGGATGAT
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AGAGCAGGTGGGAACACAGACATGAAAAAGGAGGATGAGAAGGTAAAAGAGGAACTGGG
AACACAGACACCAAAAAGGACGATGAAAAAGTCAAGAAGAATGAACCCCTTACATGAAAAG
GAAGCCAAGGATGACAGCAAGACCAAAACACCCGAGAAAACAGACGCCAGTGGCCCCACC
AAGCCCTCTGAAGGACCGGCCAAGGTGGAGGAGGAGGCAGCTCCCAGCATATTTGATGAG
CCTCTGGAGAGAGTGAAGAAATGACCCCGAGATGACTGAGGTGAACGTCAACAACCTCA
GACTGCATCACAATGAGATCTTGGTCCGGTTTACTGAGGCTCTGGAGTTCAACTGTG
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CGCTTCCACAACCAGCGACACATCTGTGGAGGCAAGACGGAGATGGAGATCGCCAAGCTG
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GAGCAAAGGCAGGCACAGGAAGCCAAGGGAGAGAAGAAGGATCTGCTGGAGGTACCCAAG
GCCGGGGCCGTGGCTAAGGGCTCCCCAAAACCTTACCTCAACCATCTCCAAAGCCCTCT
CCAAAGAACTCACCAAAAAGGGGGTGTCCAGCTGCCCCACCACCCCTCCCCCTCCC
TTGGCTCCACCCCTTATCATGGAGAACCTGAAGAATTCACCTCTCACCAGCTACCCAGAGG
AAGATGGGAGACAAAGTCTCCCTGCCAGGAGAAGAACTCCCGTGACCAGCTATTGGCT
GCCATCCGCTCCAGCAACCTCAAGCAGCTCAAGAAGGTGGAAGTGCCCAACTGCTTCAG
TAG
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Clone variation with respect to NM_012134.2
680 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012134 unedited
 NGTTTTCGNAATTATGTATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGTTTTG
 CTCCTCAGCCCACTCGCTGCATCCAGATCAGCTCACCCCTCTCCCTTCCCTGCCACCAG
 GACTCTGATAGCCCTGGCAGCCACAGCCCATTTTGC AAGATGTCTAGAGTAGCCAAAT
 ATCGCCGGCAGGTGAGTGAAGACCCGACATCGACAGCCTGCTGGAGACCCTGTCTCCC
 AGGAGATGGAGGAGCTGGAGAAGGAGCTGGACGTGGTGGACCCAGACGGGAGTGTCCCC
 TGGGGCTGCGGCAGAGAAAACAGACGGAGAAACAGTCCACGGGTGTGTACAACCCGGGAGG
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 ATGAAAGCAAGCAAGTGGAGACCAAGACAGATGCCAAGAATGGAGAGGAAAGGGGCAGAG
 ATGCCAGCAAAAAAGCCCTGGGCCCCAGACGGGACTCAGATCTGGGGAAGGAGCCAAAGA
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 TGGATAAGAAGGAGGCCAGGAAGGATGGGAGAGGAGAGGAGCCAGTGGCCACCAAGA
 AGGAAGAGGAGAAGAAGGAGTACAGGACACAGGCTTGAGCAGGTACAGGATAATAAGA
 GAGAGAGATGAAGGAGGTGGCCACGAAGAGCTGATGAGAAGGTAAGGGGGAGCTAGGAC
 CCCGCACCAGAAAAGAGGTGAGAAGATGAAAGACACGCGGGGAACCCAGACTTGAAGG
 AGATGAGAAGTAAAAGAGACCTGGGACCAGCACCAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012134 unedited
 TGGACGCGGCCGCATCTATATCGAGTTTTTTTTTTTTTTTTTTTTTTTGTAGCTCTGACTTTTA
 TTAGCTGTGTGATCATGGGTATATTAGTTAACCTCTCTGGGCCAAATTCTATCTGCAAAA
 TAGAATATTGGTATCCACCTCACAGAGTTGAAGGATCAGCTGAAGCAACCTAAAGCATCT
 AGCTAGTGCACAGTGCATCAGGCACAGGGGGTGCAGTGGGGCTGACAGTGAAGGCTG
 ACAGTGGAAAGCTCTAGCTGGCCTTAGCTCCAGCTCATACCCTTTAAGTCCAGGAGCCAGT
 GTGTGTCTGTCTCCTCTCCTCTGGGCCAGTGATTGCTTAAAGTACTGGGGTGCAGGCA
 AGTGGGTGGAGGGAATGGAGAATAGTGTACCCTGGGATCTGAGGGCTTTACCCCCAGGAC
 TAGACTGCCCTCTGGTTTTGGTCAAGCTAACACAGCGATCTTGCTTCTAGCTGGGGCA
 CCCCACCTCACCTCAAAGATGGTGAAGTGTGCTGCTCCTGCTGTTGAAGCAACCTGG
 AAGCGGAGAACCCTACAAGTACACAGACCCCAAGTGGCAGTCCACAATGCCAGGGGT
 GGCAGCACCTTCAAGACAATGAAATTCAGAAGAAGCCTTTAACCTACCCCGATGGTGGG
 CATGGCACACTTTGCAACATTCCTGCCCTGGGGCAGGAACGGGATTGCGGACCAGTGGGG
 AGGCCTGGAAAATAAGGCCCTCTGGACCCTAGGCCCCAGATTTGGGTGCTTTCTCAAAT
 AGCACCTCACTTCTCTGGCGCCACCTTCTGGGCTGGGACCGGGGGAGGAACTCGCCCC
 GACCCTGGTTTAGCCAACCTTACAAAGCCCCCCCCAGATTGCACTATTACTTCCAGACCC
 TGGGGCCCTCTTGCCATACCCGTGTACACATTTGTCTTGCTCAGTGCACCGGTTAG
 AGACCCATAATAGC

Restriction Sites:

NotI-NotI

ACCN:

NM_012134

Insert Size:

3890 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).

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_012134.1](#), [NP_036266.1](#)

RefSeq Size: 3881 bp

RefSeq ORF: 1719 bp

Locus ID: 25802

UniProt ID: [P29536](#)

Cytogenetics: 1q32.1

Domains: WH2, Tropomodulin

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