

Product datasheet for **SC316546**

LMOD2 (NM_207163) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LMOD2 (NM_207163) Human Untagged Clone
Tag:	Tag Free
Symbol:	LMOD2
Synonyms:	C-LMOD; CLMOD
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_207163, the custom clone sequence may differ by one or more nucleotides

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ATGTCTACCTTTGGCTACCGAAGAGGACTCAGTAAATACGAATCCATCGACGAGGATGAA
CTCCTCGCCTCCCTGTCAGCCGAGGAGCTGAAGGAGCTAGAGAGAGAGTTGGAAGACATT
GAACCTGACCGCAACCTTCCCGTGGGGCTAAGGCAAAAGAGCCTGACAGAGAAAACCCCC
ACAGGGACATTACAGCAGAGAGGCACTGATGGCCTATTGGGAAAAGGAGTCCCAAAAACCTC
TTGGGAGAAGGAGAGGCTGGGGGAATGTGGAAAGTTGCAGAAGACAAAGAGGAAAGTGAA
GAAGAGCTTATCTTTACTGAAAGTAACAGTGAGGTTTCTGAGGAAGTGATACAGAGGAG
GAGGAGGAGGAGTCCCAGGAGGAAGAGGAGGAAGAAGACAGTGACGAAGAGGAAAGAACA
ATTGAAACTGCAAAAGGGATTAATGGAAGTGTAAATTATGATAGTGTCAATTCTGACAAC
TCTAAGCCAAAGATATTTAAAGTCAAATAGAGAACATAAATTTGACCAATGGCAGCAAT
GGGAGGAACACAGAGTCCCCAGCTGCCATTACCCCTTGTGGAAATCCTACAGTGATTGAG
GACGCTTTGGACAAGATTTAAAGCAATGACCCTGACACCACAGAAAGTCAATTTGAACAAC
ATTGAGAACATCACAAACAGACCCTTACCCGCTTTGCTGAAGCCCTCAAGGACAACACT
GTGGTGAAGACGTTTCAGTCTGGCCAACACGCATGCCGACGACAGTGCAGCCATGGCCATT
GCAGAGATGCTCAAAGTCAATGAGCACATCACCAACGTAACGTCGAGTCCAACCTTCATA
ACGGGAAAGGGGATCCTGGCCATCATGAGAGCTCTCCAGCACAAACGGTGCTCACGGAG
CTGCGTTTCCATAACCAGAGGCACATCATGGGCAGCCAGGTGGAAATGGAGATTGTCAAG
CTGCTGAAGGAGAACACGACGCTGCTGAGGCTGGGATACCATTTTGAAGTCCCAGGACCA
AGAATGAGCATGACGAGCATTTTGAAGAAGATATGGATAAACAGAGGCAAAAACGTTTG
CAGGAGCAAAAACAGCAGGAGGGATACGATGGAGGACCAATCTTAGGACCAAAGTCTGG
CAAAGAGGAACACCTAGCTCTTACCTTATGTATCTCCAGGCACTCACCTGGTCATCC
CCAAAACCTCCCCAAAAAGTCCAGACTGTGAGGAGCCGCTCTGTCTCCTGTGGCCACA
CCTCCTCCTCCTCCCCCTCCTCCTCCTCCTCCCCCTCCTTCTCCCAAAGGCTGCCACCA
CCTCCTCCTCCTCCCCCTCCTCCACTCCCAGAGAAAAAGCTCATTACCAGAAACATTGCA
GAAGTCATCAAAACAGGAGAGTGCCCAACGGGCATTACAAAATGGACAAAAAAGAAA
AAAGGGAAAAAGGTCAAGAAACAGCCAAACAGTATTCTAAAGGAAATAAAAAATTCTCTG
AGGTCAAGTGAAGAGAAGAAAATGGAAGACAGTTCCCGACCTTCTACCCACAGAGATCA
GCTCATGAGAATCTCATGGAAGCAATTTCGGGAAGCAGCATAAACAGCTAAAGCGGGTG
GAAGTTCCAGAAGCCCTGCGA

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Restriction Sites:	Please inquire
ACCN:	NM_207163
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:	<u>NM_207163.1, NP_997046.1</u>
RefSeq Size:	2181 bp
RefSeq ORF:	1644 bp
Locus ID:	442721
UniProt ID:	<u>Q6P5Q4</u>
Cytogenetics:	7q31.32
Gene Summary:	Mediates nucleation of actin filaments and thereby promotes actin polymerization (PubMed:18403713, PubMed:26370058, PubMed:25250574, PubMed:26417072). Plays a role in the regulation of actin filament length (By similarity). Required for normal sarcomere organization in the heart, and for normal heart function (PubMed:18403713). [UniProtKB/Swiss-Prot Function]