

Product datasheet for **SC319000**

LIMCH1 (NM_001112720) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIMCH1 (NM_001112720) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIMCH1
Synonyms:	LIMCH1A; LMO7B
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001112720, the custom clone sequence may differ by one or more nucleotides

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ATGGATTCCGAAAGACAAGTCAAGGACACTGATGACATTGAAAGTCCTAAACGCAGTATC
CGAGACAGTGGCTACATCGACTGCTGGGATTCGAGCGCAGCGACTCCCTCTCTCCTCT
CGCCACGGCAGAGATGATTCCTTCGACAGCCTGGATTCTTTGGCTCTCGCTCTCGGCAG
ACGCCTTCACCAGATGTAGTCTCAGGGGAAGCAGCGATGGGAGAGGAAGCGACTGTGAA
TCCGACTTGCCTCATCGGAAGCTGCCAGATGTGAAGAAGGATGACATGTCTGCACGGCGG
ACTTCCCATGGTGGAGCCGAAATCAGCAGTGCCTTTTAACCAAGTACCTCCCGAACAAAAGC
AATCAGACGGCCTACGTCCCGCCCTCTGAGAAAAGAAGAAAGCAGAGAGAGAGGAATAC
CGCAAGAGCTGGAGTACCGCCACCTCCCGCTGGGTGGGAGAGGCCCTTCAGGAGCACC
AGCATGTTTGACATGCGGTGTGAGGAGGAGGCCGCGGTGCAGCCGCACAGCAGGGCCCGC
CAGGAGCAGCTGCAGTGATAAATAACCAGCTGAGGGAAGAGGACGACAAATGGCAAGAT
GACCTGGCTCGTTGGAAGAGTCTGAGAAGAAGTGTCTCAGGACTTAATCAAGAAAGAG
GAAGAAAGGAAAAAATGGAGAAGTACTGGCTGGAGAAGATGGGACAAGTGAACGAAGG
AAAAGCATCAAAACCTACAGAGAAATTGTTCAAGAAAAAGAGCGGAGAGAGAGAGCTG
CATGAAGCATATAAGAACGCTCGGTCCCAGGAGGAGGCAGAGGGGATCCTTCAACAGTAC
ATTGAGAGGTTACCATCAGTGAGGCTGTTCTCGAACGCTTGGAGATGCCAAAAATTCTG
GAAAGAAGCCATTCAACAGAGCCAAATTTATCCTCCTTCTGAATGACCCCAATCCCATG
AAATACCTGCGGCAACAGTCACTGCCTCCACCCAAATTCAGTCCACTGTTGAAACCACC
ATTGCTCGTGCCAGTGTCTGGATACCAGCATGTGACGAGGCAGTGGGTCTCCAAGCAAA
ACTGTCACTCCAAAGCAGTGCCTATGCTGACACCCAAGCCTTACTCCCAGCCAAAAAT
TCTCAAGATGTTCTGAAGACCTTTAAGGTAGACGGGAAAGTCAAGTGTGAATGGAGAGCG
GTTCCATAGAGAGGAGGAGAAGGAAAGAGAGTGTCCCACGGTGGCACCTGCCCACTCCTTA
ACCAAATCCCAGATGTTTGAAGGTGTGGCCAGAGTGCACGGGTCTCCACTGGAGCTGAAA
CAAGACAACGGTAGCATCGAGATCAACATAAAGAAGCCAAACTCTGTTCCCAAGAGCTC
GCAGCAACCCTGAGAAAACGGAACCGAATAGTCAAGAGGACAAGAATGATGGTGGAAAA
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TTGGTGTGTACAAAAGGTGGTAAAGCCAAAATCTCCAGAACCCGAAGCAACGCTGACA
TTTCCATTTCTGGACAAAATGCCTGAAGCCAACCAACTACATTTGCCAAATCTCAATTCT
CAAGTGGATTCTCCAAGCAGTGAGAAGTACCTGTTATGACACCTTTTAAGTTCTGGGCA
TGGGACCCAGAAGAGGAGCGCAGGCGACAGGAAAAATGGCAACAGGAACAGGAACGTTTG
CTCCAGGAGAGATACCAGAAGGAGCAGGACAAGCTGAAAGAAGAGTGGGAAAAGGCCCAA
AAGGAGGTGGAAGAGGAAGAACGCAGATACTATGAGGAGGAGCGTAAGATAATTGAAGAC
ACTGTGGTTCCATTTACTGTTTCTTCAAGTTCGCTGACCAGCTGTCTACCTCTTCTCTC
ATGACTGAAGGCAGTGGGACAATGAATAAGATAGACCTGGGAAACTGTCAAGATGAAAA
CAAGACAGAAGATGGAAGAAATCATTCCAGGGAGATGACAGTACTTATTGCTGAAGACT
AGGGAAGTGTGACTGGAGGAGAAGGGCAGCCTAACTGAAGGGGCTTGGCTCATTCT
GGGAACCTGTATCAAAAGGAGTCCATGAAGACCATCAGCTGGATACCGAGGCTGGGGCC
CCACACTGTGGAACAAACCCACAGCTTGCTCAGGATCCATCCCAGAATCAGCAGACATCA
AATCCAACGCACAGTTCAGAAGATGTGAAGCCAAAAACCTCCCGCTGGATAAAAAGCATT
AACCATCAGATCGAGTCTCCAGTGAAGGGCGAAGTCTATAAGTGGAAAGAAAGTGTGC
TCTTCTGTGGGCTTCTTTGGGTAAGGAGCTGCAATGATCATCGAGACCCTCAATCTC
TATTTTACATCCAGTGTTCAGGTGTGGAATTTGTAAGGCCAGCTTGGAGATGCAGTG
AGTGGGACGGATGTTAGGATTCGAAATGGTCTCCTGAACTGTAATGATTGCTACATGCGA
TCCAGAAGTGCCGGCAGCCTACAACATTG

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Restriction Sites: Please inquire
ACCN: NM_001112720

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:	<ol style="list-style-type: none">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_001112720.1, NP_001106191.1</u>
RefSeq Size:	5722 bp
RefSeq ORF:	2673 bp
Locus ID:	22998
UniProt ID:	<u>Q9UPQ0</u>
Cytogenetics:	4p13
Gene Summary:	<p>Actin stress fibers-associated protein that activates non-muscle myosin IIa. Activates the non-muscle myosin IIa complex by promoting the phosphorylation of its regulatory subunit MRLC/MYL9. Through the activation of non-muscle myosin IIa, positively regulates actin stress fibers assembly and stabilizes focal adhesions. It therefore negatively regulates cell spreading and cell migration.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR and coding region, uses an alternate in-frame splice site, and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (e) has a shorter and distinct N-terminus compared to isoform a.</p>