

Product datasheet for **SC305278**

LIM2 (NM_030657) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIM2 (NM_030657) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIM2
Synonyms:	CTRCT19; MP17; MP19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305278 representing NM_030657. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTACAGCTTCATGGGTGGTGGCTGTCTGTGCCTGGGTGGGGACCATCCTCCTGGTGGTGGCCATG
GCAACAGACCACTGGATGCAGTACCGGTGTCCAGGGTCTTCGCCACCAGGGCTGTGGCGGTAAGTGC
CTGGGCAACAAGTGTACCTGCAGACAGACAGCATCGGTGAGCCCCCGCCAGGGTCCAGGCCGCGCC
TGGGAAAGAGCAGGGCGGACCTCGGGGCCAAGGACACCTGTATTCCAGATGGAGAAGTCTGCGGCTC
AAAGAGGAAAGGAGCAACCAAGCATACTGGAATGCCACCCGGCCTTCATGATCCTGTCTGCCCTA
TGCGCCATCTCCGCATCATCATGGGCATCATGGCCTTCGCTCATCAGCCTACCTCTCCGCATCTCC
CGGCCCTTCTCTGCTGGCATCATGTTTTTCTCAACCCCTTTCGTCTGTTGGCCTTGCCATCTAC
ACTGGAGTCAACGTCAGCTTCTGGGCCCGCTTGGGGACTGGCGCTTTCCTGGTCTACATCTCTG
GGCTGGGTGGCAGTGTCTCATGACGTTCTTCGAGGGATTTTCTACATGTGCGCCTACCGGGTGCATGAA
TGCCGGCGCCTGTCTACACCCCGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_030657
Insert Size:	648 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).



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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:	NM_030657.3
RefSeq Size:	1001 bp
RefSeq ORF:	648 bp
Locus ID:	3982
UniProt ID:	P55344
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Transmembrane
MW:	24.2 kDa
Gene Summary:	<p>This gene encodes an eye lens-specific protein found at the junctions of lens fiber cells, where it may contribute to cell junctional organization. It acts as a receptor for calmodulin, and may play an important role in both lens development and cataractogenesis. Mutations in this gene have been associated with cataract formation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>