

## Product datasheet for **SC326746**

### LIM2 (NM\_001161748) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LIM2 (NM\_001161748) 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:** >SC326746 representing NM\_001161748.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTACAGCTTCATGGGTGGTGGCCTGTTCTGTGCCTGGGTGGGGACCATCCTCCTGGTGGTGGCCATG
GCAACAGACCACTGGATGCAGTACCGGTGTCAGGGTCTTCGCCACCAGGGCCTGTGGCGGTAAGTGC
CTGGGCAACAAGTGTACCTGCAGACAGACAGCATCGCATACTGGAATGCCACCCGGCCTTCATGATC
CTGTCTGCCCTATGCGCCATCTCCGGCATCATATGGGCATCATGGCCTTCGCTCATCAGCCTACCTTC
TCCCGCATCTCCCGGCCCTTCTCTGCTGGCATCATGTTTTTTTCTCAACCTTTTCGTCGTGTTGGCC
TTGGCCATCTACTGGAGTACCGTCAGCTTCTGGGCCCGCTTTGGGGACTGGCGCTTTTCCTGG
TCCTACATCCTGGGCTGGGTGGCAGTGCTCATGACGTTCTTCGAGGGATTTTCTACATGTGCGCCCTAC
CGGGTGCATGAATGCCGGCGCCTGTCTACACCCCGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001161748  
**Insert Size:** 522 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).



[View online »](#)

<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001161748.1</a></u>
<b>RefSeq Size:</b>	875 bp
<b>RefSeq ORF:</b>	522 bp
<b>Locus ID:</b>	3982
<b>UniProt ID:</b>	<u><a href="#">P55344</a></u>
<b>Cytogenetics:</b>	19q13.41
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	19.7 kDa
<b>Gene Summary:</b>	<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 (2) uses an alternate, in-frame donor splice site at the 5' coding exon compared to variant 1. This results in a shorter isoform (2) missing a 42 aa protein segment compared to isoform 1.</p>