

## Product datasheet for **SC327461**

### LIMS2 (NM\_001161404) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LIMS2 (NM_001161404) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIMS2
Synonyms:	LGMD2W; MDRCMTT; PINCH-2; PINCH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327461 representing NM_001161404. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACGGGAAGCAATATGTCGGACGCCTTGGCAAACGCCGTGTGCCAGCGCTGCCAGGCCGCTTCTCC
CCCGCCGAGCGCATTGTCAACAGCAATGGGGAGCTGTACCATGAGCACTGCTTCGTGTGTGCCAGTGC
TTCCGGCCCTTCCCGAGGGGCTTCTATGAGTTTGAAGGCCGGAAGTACTGCGAACACGACTTCCAA
ATGCTGTTTGTCCGTGCTGTGGATCCTGCGGTGAGTTCATCATTGGCCGCGTCATCAAGCCATGAAC
AACAACTGGCACCCGGGCTGCTCCGCTGCGAGCTGTGTGATGTGGAGCTGGCTGACCTGGGCTTTGTG
AAGAATGCCGGCAGGCATCTCTGCCGCCCTTGCCACAACCGTGAGAAGGCCAAAGCCTGGGCAAGTAC
ATCTGCCAGCGGTGCCACCTGGTCATCGACGAGCAGCCCTCATGTTTCAGGAGCGACGCCTACCACCT
GACCACCTCAACTGCACCACTGTGGAAGGAGCTGACAGCCGAGGCCCGCGAGCTGAAGGGTGAGCTC
TACTGCCTGCCCTGCCATGACAAGATGGGGCTCCCATCTGCGGGGCTGCCGCCGGCCATCGAGGGC
CGAGTGGTCAACGCGCTGGGCAAGCAGTGGCACGTGGAGCACTTTGTCTGTGCCAAGTGTGAGAAGCCA
TTCCTGGGGCACCCGCACTATGAGAAGAAGGGCCTGGCCTACTGCGAGACTCACTACAACAGCTTTC
GGGACGTCTGCTACAACAGCCATGTGATTGAAGGCGATGTGGTGTGCGCCCTCAACAAGCCCTGG
TGTGTGAGCTGCTTCTCCTGCTCCACCTGCAACAGCAAGCTCACCTGAAGAACAAGTTTGTGGAGTTC
GACATGAAGCCCGTGTGTAAGAGGTGCTACGAGAAGTTCGCGCTGGAGCTGAAGAAGCGGCTGAAGAAG
CTGTCGGAGCTGACCTCCCGAAGGCCAGCCCAAGGCCACAGACCTCAACTCTGCCTGA
ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001161404
Insert Size:	1026 bp



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<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_001161404.1</a>
<b>RefSeq Size:</b>	2352 bp
<b>RefSeq ORF:</b>	1026 bp
<b>Locus ID:</b>	55679
<b>UniProt ID:</b>	<a href="#">Q7Z4I7</a>
<b>Cytogenetics:</b>	2q14.3
<b>MW:</b>	38.9 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of a small family of focal adhesion proteins which interacts with ILK (integrin-linked kinase), a protein which effects protein-protein interactions with the extraceullar matrix. The encoded protein has five LIM domains, each domain forming two zinc fingers, which permit interactions which regulate cell shape and migration. A pseudogene of this gene is located on chromosome 4. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (5) is shorter than isoform 1.</p>