

## Product datasheet for **SC206722**

### LIM kinase 2 (LIMK2) (NM\_001031801) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	LIM kinase 2 (LIMK2) (NM_001031801) Human 3' UTR Clone
Symbol:	LIM kinase 2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001031801
Insert Size:	528 bp
Insert Sequence:	<p>&gt;SC206722 3'UTR clone of NM_001031801 The sequence shown below is from the reference sequence of NM_001031801. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b>=Stop Codon <b>Red</b>=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA<b>GCGATCGCC</b> CAGAAGCTGAGCACACCCAGAAGAAG<b>TGA</b>GGGTCCCCGACCCAGGCGAACGGTGGCTCCCATAGGACA ATCGCTACCCCCGACCTCGTAGCAACAGCAATACCGGGGACCTGCGGCCAGGCCTGGTTCCATGAG CAGGGCTCCTCGTGCCCTGGCCAGGGGTCTCTCCCTGCCCTCAGTTTTCCAATTTGGATTTT TTTATTGTTATTAACCTGATGGACTTTGTGTTTTATATTGACTCTGCGGCACGGGCCCTTAATAAA GCGAGGTAGGGTACGCCTTTGGTGCAGCTCAAAAAAAAAAAAAAAAAATGATTTCCAGCGTCCACATTA GAGTTGAAATTTCTGGTGGGAGAATCTATACCTTGTTCTTTATAGCCAAGGACCGCAGTCCTTCAG TAACACCAGTGTAAGCTTGGAGAGAAATTGTGAAGCTACACAGTATTTGTTTTCTAATACCTCTGT CATTCTAAATATCTTTAATTTATAAAAATATATATACAGTA <b>ACGCGT</b>AAGCGGCCGCGCATCTAGATTGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG </pre>
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_001031801.2](#)

**Summary:** There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they contain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Although zinc fingers usually function by binding to DNA or RNA, the LIM motif probably mediates protein-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. The protein encoded by this gene is phosphorylated and activated by ROCK, a downstream effector of Rho, and the encoded protein, in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. It is thought that this pathway contributes to Rho-induced reorganization of the actin cytoskeleton. At least three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 3985

MW: 20