

Product datasheet for **MC220064**

Limk1 (NM_010717) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Limk1 (NM_010717) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Limk1
Synonyms:	KIZ-1; Limk; LIMK-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC220064 representing NM_010717
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGTTGACGCTACTTTGTTGCACCTGGAGGGAAGAACGTATGGGAGAGGAAGGAAGCGAGTTGCCTG
 TGTGTGCGAGCTGTGGCCAGAGGATCTATGACGGCCAGTACCTCCAGGCCCTGAATGCTGACTGGCATGC
 AGACTGCTTCAGGTGCTGCGAGTGTAGCGTCTCCCTTTCACACCACTACTACGAGAAGGATGGACAGCTC
 TTCTGCAAGAAGGACTACTGGGCCCGCTATGGCGAGTCTTGCCACGGGTGCTCCGAGCACATCACCAAAG
 GGCTGGTCATGGTGGCTGGGAGCTGAAGTACCACCTGAGTGTTCATCTGCCTCGCTGTGAAAATT
 CATTGGCGATGGGACACCTACACACTGGTGGAGCACTCCAAGCTGTACTGTGGCCAGTGTACTACCAG
 ACCGTGGTAACTCCAGTCATCGAACAGATCCTACCTGACTCACCCGGCTCCACCTGCCCCACACAGTCA
 CCCTCGTGTCTATCCCAGCTCTGCCATGGCAAACGAGGCTGTCTGTCTCCATCGACCCCTCAGG
 CCCACCAGGATGTGGCACGGAGCATTTCGCACACTGTCCGAGTCCAAGGAGTGGACCCAGGCTGCATGAGC
 CCAGATGTGAAGAATCCATCCAGTGGAGACGGATCTTGAAATCAATGGCAGGCCATCCGGAATG
 TGCCGCTGGACGAGATCGACTTGCTGATCCAGGAGACCAGCCGCCTGCTCCAGCTGACCTCGAGCACGA
 CCCCCATGACTACTGGCCATGGGCCCGTGTCCGATCCAGCCCTGAGCTCCCGGTGCACACTCCC
 AGCGGACAGGCAGCCAGCTCTGCCCGCAGAACTGTCTTGAGGAGCTGCAGTATTGACACGTCCCGG
 GTACCAGCTCACTAGCCTCTCCAGCCTCCAGCGCAAGGACCTGGGTGCTCCGAATCCCTCCGAGTGGT
 CTGCCGACCACACCGAATCTCCGGCCTCTGATCTCATCCATGGGGAAGTGTGGGCAAGGGCTGTTTT
 GGCCAGGCCATCAAGGTGACACACCGAGAAACAGGCGAGGTGATGGTGTGAAGGAATTAATCCGGTTTG
 ATGAGGAGACCCAGAGGACATTCCTCAAGGAGGTAAGGTTCATGCGCTGCCTGGAGCACCTAACGTGCT
 CAAGTTTCATCGGAGTCTCTACAAGGACAAGCGGCTAAACTTCATCACAGAGTACATCAAGGGCGGCACC
 CTGCGGGGCATCATCAAGAACATGGACAGCCAGTACCCGTGGAGTCAAGGGTCACTTTGCCAAGGACA
 TTGCATCAGGGATGGCCTACCTCCATTCGATGAACATCATCCACCGAGACCTCAACTCCCACAAGTGTCT
 GGTCCGTGAGAATAGGAACGTGGTGGTGGCCGACTTTGGGCTGGCTCGACTCATGATCGATGAAAAGAA
 CAGTCTGAAGACTTACGCAGCCTTAAGAAGCCGGACCGCAAGAAGCGGTACACAGTGGTGGGCAACCCCT
 ACTGGATGGCGCCAGAGATGATCAATGGTCGTAGTTATGATGAAAAGGTGGACGTGTTTTCTTTGGAAT
 TGTCTCTGTGAGATTATCGGGCGTGTGAATGCAGACCCTGACTATCTGCCCCGACTATGGACTTTGGC
 CTAATGTAAGGGTTTCTGGACCGCTACTGTCCACCAAAGTGTCCCCAAGTTTCTTCCCATCACTG
 TGCCTGTGTGACCTGGATCCTGAAAAGAGACCTCTTTTGTAAAGCTGGAACAATGGCTAGAAACACT
 TCGCATGCACTTGTCTGGTCACCTGCCACTGGGCCCAACTGGAACAAGTGGAGCGGGCTTCTGGGAG
 ACCTACCGGGCGGGCGAGAGCTCACTGCCTGCCACCCCGAGGTCCCTGACT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_010717
- Insert Size:** 1944 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).
- 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:

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_010717.3](#), [NP_034847.1](#)

RefSeq Size: 3337 bp

RefSeq ORF: 1944 bp

Locus ID: 16885

UniProt ID: [P53668](#)

Cytogenetics: 5 G2

Gene Summary: This gene encodes a member of the LIM kinase family of proteins. This protein is a serine/threonine kinase that regulates actin polymerization via phosphorylation and inactivation of the actin binding factor cofilin. This protein also stimulates axon growth and may play a role in brain development. Homozygous knockout mice for this gene exhibit reduced bone mass, abnormal neuronal morphology and altered synaptic function. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]
Transcript Variant: This variant (1) encodes the longer isoform (1).