

Product datasheet for **MC220852**

Limch1 (BC075634) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Limch1 (BC075634) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Limch1
Synonyms:	mKIAA1102
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC075634
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACAAAACATGTACAATACGGTCCTTCATACGCGACTTTTATAGAATCCTTTTTACATGCGCAAGGC
 CATCCATTATGTCAGATGACGCAGAGAGACAGTATGTTTGACATGCGGTGTGAGGAGGAGGCAGCGGT
 GCTGCCGCACAGCAGGGCCCGCCAGGAGCAGCTGCAGCCCGAACCACTCCGGAGCCTGCCTTCGCCGAG
 GCACAGAAGTGGATCGAGCAAGTCACTGGTCAAGTTTTGGTGACAAAGACTTCCGGACAGGACTAGAAA
 ATGGGATCCTCCTTTCGAGTTGCTGAATGCTATAAAGCCAGGACTTGTAAAAAGATCAATAGATTGCC
 TACCCCATTCGAGATTGGACAATACCATCTTATTCTTGAGAGGCTGTAAGGAGCTTGGCCTAAAGAA
 TCTCAACTCTTTGACCCGAGTGACCTCCAGGATACCTCCAACAGGGTCACTGTCAAGAACCTCGATTATA
 GCAGGAAGCTGAAAACGTGCTAGTGACCATTTACTGGCTGGGAAAGCTGCAAACAGCTGTGCATCCTA
 CGGTGGAACCACTGAACCTGAAGGAGTTTGAAGGGCTGTTGGCTCAGATGCGAAAGGAGACTGACGAC
 ATTGATAGCCCGAAGCGCAGCATCCGAGACAGTGGCTACATCGACTGCTGGGACTCTGAACGCAGCGACT
 CCCTCTCTCCTCGCCACGGACGGGAAGATGGGACAAGTGAGCGGAGGAAAAGCATCAAACTTACAG
 AGAAATCGTCCAAGAAAAGAGCGGAGAGAGAGGGAATTCATGAGGCGTACAAGAACGCAAGGTCGCAG
 GAGGAGGCCGAGGGGATCCTCCAGCAGTACATCGAGAGGTTACCATCAGTGAGGCTGTCTCGAACGCT
 TGGAGATGCCAAAAATCCTGAAAGAAGCCATTCAACAGAGCCAAACGTGTCTCTTCCCAAACGACCC
 CAGCCCATGAAGTACCTGCGGCAGCAGTCACTGCCCCACCCAAAGTCACTGCCACGGTTGAGACCACC
 ATAGCTCGCACCAGTGTCCAGAGAGCATTGCGTCAGCAGGCACCTGGGTCTCAAGCAAAATCATCACTC
 CAAACACAGTGCCTATGCTGACACCCAGGCCTTACTCCAGCCAAAAACTCTCAAGAGTTCTGAAGAG
 TTTTAAGGTAGATGGGAAGGTCAGCATGAATGGGGAAATGGCCCTGGAGATGAGGAAGGAAAGAAAA
 GAAGGCCCTGCAGCTGCAGCCCTGGCCCTTCTTAACCAAGTCCAGATGTTTGAAGGTGTGGCCACGG
 TGCACGACTCTCTGTGCAGGTGAAACAAGGCAGCAACAGCATCGAGATCAACATCAAGAAGCCAAATTC
 TGCTCCCCAGGAACTGACAGCAGCCTCTGAGGAAACTGAATCGAACGGCCAAGAGGATGAAGACGGTGAA
 GAAAGGCCAGGGACAGGGGATTTGGAGCCTGACTCGGCAGAACCCAGCACTTTACGACAACTGTGACTC
 GGTGCAGCCCAACAGTGGCCTTGGTGGAGTTTACCCAAACCCGAGCTGAAGAATGAGGTGCCAGAACA
 AGGCCAGAAGAAGCCAGAAGATGAGATGAGTGGGAAGGTGGAGTGTAGTGTGTACAGAAGGTGGCAAAG
 CCAAAATCCCAGAGCCTGAAGCAACCCTGACGTTTCCATTTCTCGACAAAATGCCTGAAACCAACCAAC
 TACATTTGCCAAATCCCAGTTCTCAAGCGGATTCTCAAGCAGTGAAGAGTCCCTGGGAGCACACCCTT
 TAAGTTCTGGGCATGGGACCCAGAAGAGGAGCGCCGGCGACAGGAGAAATGGCAGCAGGAGCAGGAACGT
 CTGCTGCAGGAGAGGTATCAGAAGGAGCAAGACAAGCTGAAGGAGGAGTGGGAAAAGGCCAGAAGGAGG
 TCGAAGAAGAAGAACGCAGATACTACGAGGAGGAGCGTAAGATAATTGAAGACACGGTGGTTCCATTAC
 TATTTCTCAAGCTCTGCAGACCAACTGTCTACGTCCTTGTCTGTAACGAAGGCAGCGGACAAGGAAT
 AAGATGGACTTGGAAAACGCCCAGACAAAGAAAACGAGAGAAGACAGAAGACGCCTTCCAGGAGAATG
 ACGGTGATTCATTGCTCAAACTAGAGAAGGTGGTCTGCCAGAGGAGCAGAGCCTAACTCCAAGTCCCTC
 GGCTAACCCCTGAAATCTCCGTGTCAAAGGAATCCATCAGGACCCGAGCTGGAGGCAGAGGCTGGGGCC
 CCACACTGTGGTACAAACCCACAGCCAGCTCAGGATCCACCTCGGAATCAACAGATACCAACCCACCAA
 CATCCACGTCCGGAAGATGTGAAGCCAAAACTTGGCCCTGGAGAAAACCATCAATCATCAGATGGAGTC
 TCCGGGGAAAGGCGGAAGTCTATAAGCGGGAAGAACTGTGCTCCTCCTGCGGGCTCACTTTGGGTAAA
 GGTGCTGCATGATCATCGAGACCCTGAATCTCTACTTTACATTAGTGTTCAGGTGCGGCATCTGTA
 AAGGACAGCTCGGAGATGCAGTAAGCGGGACAGACGTGAGGATTCGCAATGGTCTCTAACTGTACCGA
 CTGCTACATGCGATCCAGAAGTCCGGCCAGCCTACAACACTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: BC075634

Insert Size:	2706 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:	<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:	<u>BC075634</u>
RefSeq Size:	4698 bp
RefSeq ORF:	2705 bp
Locus ID:	77569
Cytogenetics:	5 C3.1
Gene Summary:	Actin stress fibers-associated protein that activates non-muscle myosin IIa. Activates the non-muscle myosin IIa complex by promoting the phosphorylation of its regulatory subunit MRLC/MYL9. Through the activation of non-muscle myosin IIa, positively regulates actin stress fibers assembly and stabilizes focal adhesions. It therefore negatively regulates cell spreading and cell migration.[UniProtKB/Swiss-Prot Function]