

Product datasheet for **MR211106**

Limch1 (BC075634) Mouse Tagged ORF Clone

Product data:

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



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**ORF Nucleotide
Sequence:**

>MR211106 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACAAAACATGTACAATACGGTCCTTCATACGCGACTTTTATAGAATCCTTTTTACATGCGCAAGGC
 CATCCATTATGTCAGATGACGCAGAGAGACAGATATGTTTGACATGCGGTGTGAGGAGGAGGCAGCGGT
 GCTGCCGCACAGCAGGGCCCGCCAGGAGCAGCTGCAGCCGAACCACTCCGGAGCTGCCTTCGCCGAG
 GCACAGAAGTGGATCGAGCAAGTCACTGGTCAAGTTTTGGTGACAAAGACTTCCGGACAGGACTAGAAA
 ATGGGATCCTCCTTTCGAGTTGCTGAATGCTATAAAGCCAGGACTTGTTAAAAAGATCAATAGATTGCC
 TACCCCATTCGAGATTGGACAATACCATCTTATTCTTGAGAGGCTGTAAGGAGCTTGGCCTAAAGAA
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 GCAGGAAGCTGAAAACGTGCTAGTGACCATTTACTGGCTGGGAAAGCTGCAAACAGCTGTGCATCCTA
 CGGTGGAACCACTGAACCTGAAGGAGTTTGAAGGGCTGTTGGCTCAGATGCGAAAGGAGACTGACGAC
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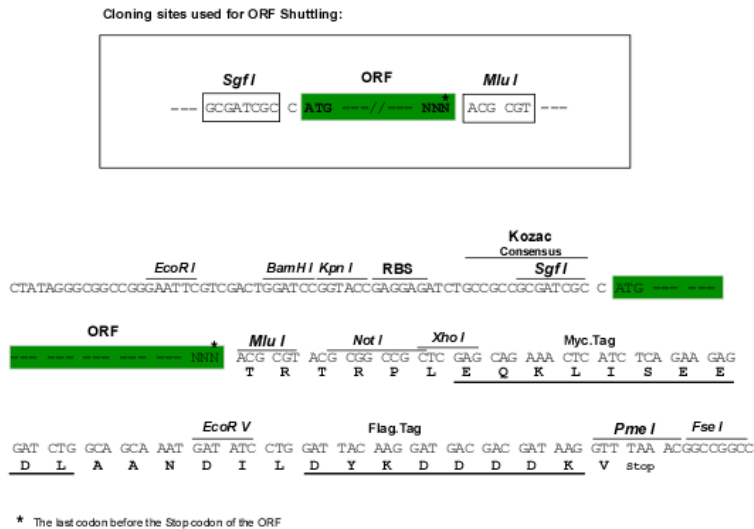
Protein Sequence: >MR211106 protein sequence
 Red=Cloning site Green=Tags(s)

MHKTCTIRSFIRDYRILFTCARPSIMSDDAESTSMFDMRCEEEAAVLPHSRARQEQLQPEPPPPEPAFAE
 AQKWIEQVTGRSFGDKDFRTGLENGILLCELLNAIKPGLVKKINRLPTPIAGLDNTILFLRGCKELGLKE
 SQLFDPSDLQDTSNRVTVKNLDYSRKLKNVLTIIYWLGAANSCASYGGTTLNLKEFEGLLAQMRETD
 IDSPKRSIRDSDGYIDCWDSERSDSLSPPRHGREDGTERRRSIKTYREIVQEKERERERELHEAYKNARSQ
 EEAEGLQYIERFTISEAVLERLEMPKILERSHSTEPNVSSFPNDPSPMKYLRQQLPPPKFTATVETT
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 EGPAAAAAPGSLTKSQMFEQVATVHDSVPVQVKQGSNSIEINIKKPNSAPQELTAASEETESNGQEDEDGE
 ERPGTGDLEPDSAEPQHFTTTVTRCSPTVALVEFSPNPQLKNEVPEQGQKPEDEMSESGKVELVLSQKVAK
 PKSPEPEATLTFPFLDKMPETNQLHLPNPSSQADSPSSEKSPGSTPFKFWAWDPEEERRRQEKWQEQER
 LLQERYQKEQDKLKEWEKAQKEVEEEERRYYEEERKIIEDTVVPFTISSSSADQLSTLSVTEGSGTRN
 KMDLENCDPKENERRQKTPFQENDGDSLLKTREGGLPEEQSLTPSPSANPEISVSKGIHQDPQLEAEGA
 PHCGTNPQAQDPPRNQIPNPPTSTSEVYKPKTLALEKTIHQMESPGERRRSISGKGLCSSCGLTLGK
 GAAMIETLNLFYHIQCFRCGICKQLGDAVSGTDVIRIRNGLLNCTDCYMRSSAGQPPTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

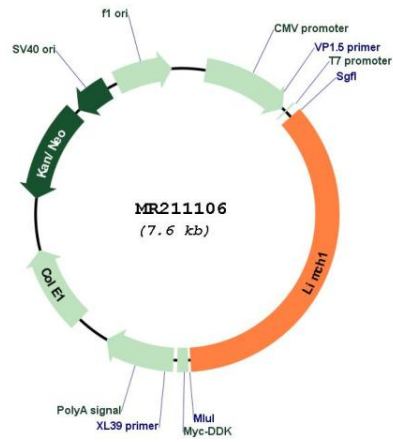
Cloning Scheme:



ACCN: BC075634

ORF Size:	2703 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	BC075634
RefSeq Size:	4698 bp
RefSeq ORF:	2705 bp
Locus ID:	77569
Cytogenetics:	5 C3.1
MW:	100.7 kDa
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]

Product images:



Circular map for MR211106