OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC210975

Mlip (NM_027150) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mlip (NM_027150) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mlip
Synonyms:	2310046A06Rik; AI931782; CIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210975 representing NM_027150 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAATTTGGAAAGCATGAACCAGGAAGCTCACTAAAGAGGAACAAGAACTTAGAGGAGGGAGTGACGT TTGAGTACAGTGATCATATGACCTTCAGCTCTGAGAGCAAACAAGAGAGGGTCCAGAGGATACTGGATTA TCCGTCAGAGGTCAGTGGGAGGAATTCACAACAAAAGGAATTCAATACAAAGGAACCTCAAGGAATGCAG AAAGGTGATCTCTTCAAAGCAGAATATGTTTTTATTGTGGATTCTGATGGGGAAGATGAAGCTACATGCA GACAAGGTGAACAAGGCCCCCCAGGGGGACCAGGCAACATAGCTACTCGGCCCAAGTCTCTGGCTATTTC TTCTAGTCTGGCTTCTGACGTGGTGCGTCCCAAAGTACGAGGGGCTGATCTCAAGACCTCATCACATCCT GAAATTCCTCATGGGATAGCCCCTCAGCAAAAGCATGGGCTGGCACTAGATGAACCAGCCAGGACTGAAA GCAACTCCAAGGCCAGCGTGTTAGACCTACCAGTGGAGCATTCTTCTGATTCTCCTTCACGGCCCCCACA GACAATGTTGGGTTCTGAAACAATCAAAACTCCTACAACTCATCCAAGAGCAGCTGGTCGAGAAACCAAA TACGCAAATCTTTCTTCATCATCCTCAACAGCGTCTGAGAGCCAACTGACTAAGCCTGGAGTAATTCGTC CAGTACCTGTAAAATCCAAACTACTCCTGAGAAAGGATGAAGAAGTTTATGAGCCCAACCCTTTCAGTAA ATACCTTGAAGACAACAGTGGCCTGTTTTCTGAGCAGTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_027150
Insert Size:	810 bp

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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_027150.1, NP_081426.1
RefSeq Size:	1224 bp
RefSeq ORF:	810 bp
Locus ID:	69642
UniProt ID:	Q5FW52
Cytogenetics:	9 D
Gene Summary:	Required for precocious cardiac adaptation to stress through integrated regulation of the AKT/mTOR pathways and FOXO1. Regulates cardiac homeostasis and plays an important role in protection against cardiac hypertrophy (PubMed:26359501, PubMed:22343712, PubMed:26436652). Acts as a transcriptional cofactor, represses transactivator activity of ISL1 and MYOCD (PubMed:22343712).[UniProtKB/Swiss-Prot Function]

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