

Product datasheet for **SC337672**

MLIP (NM_001281746) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLIP (NM_001281746) Human Untagged Clone
Tag:	Tag Free
Symbol:	MLIP
Synonyms:	C6orf142; CIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001281746, the custom clone sequence may differ by one or more nucleotides

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ATGGAAC TTGAAAAGCGTGAAAAAGAAGCTTATTAACAAGAATTTAGAGGAGAACTGACGGTCTCTG
CTGGTGGTCTGAAGCCAAACCTCTGATCTTCACATTTGTCCCACTGTCAGAAGACTACCAACCCATAC
TCAGTTGGCTGACACCTCTAAATTCCTTGTTAAATTCAGAAGAATCAAGTGATAAGAGTCCAGAACT
GTAAATAGGTCTAAATCCAATGACTACTTGACCTTGAATGCTGGGAGCCAACAAGAGAGAGACCAAGCGA
AATTGACTTGTCTTCAGAGGTGAGTGAACGATTTTACAAGAAAGGAATTGGAAGCAAACTTCA
AGGGATGCAGCAAGTGACCTCTTCAAAGCTGAATATGTCCTTATTGTGGACTCCGAAGGGAAGATGAG
GCTGCAAGCAGAAAAGTTGAACAAGGCCCCAGGGGGATTGGCACCAGCTGTCCGGCCCAAGTCTC
TAGCTATCTCGTCCAGTCTGGTCTCTGATGTAGTGCCTCCAAAACACAGGGGACTGATCTCAAGACCTC
ATCACATCCTGAAATGCTTCATGGGATGGCCCTCAGCAAAAGCATGGGCAGTTAACTTCTTCTCCCACT
ACCTCTGAGCAGCTTGCCTGTAAACCACTGCTTTCTCCTTTGTTTCTCCAATAATCCGAACACACCAC
CCGACCCAGTTAACCTCGAGGGAGCCTCTGCTAGAGGAGTTCCACACTAGGAGGCTGGATGTCGGTGG
GGCCGTGGTGGAAGAATCAGTACGTATTTCAAACCTACCGCTCACTCTACACCCCTTTCTGCATCGAAG
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CAGCAGATCCAAAGCCTGGACTGACCTCTGAAGTTCTCAAGAAGACAACCTTAACTCGCATGTCCTTAG
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GAACACCATCACCTACTTTGAAGAGCAATACCATGCTCTCCCTGTACAAACAGTACATCCAGTTCTGT
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GGTCCAGAAAACCCAGAAACATTCACACGTACCCTTCTACATTAGCCTCCTCTGCATTATCTTCTCTAT
CTCCTCTATTAATCAAAGAGCTACGTTCTTCTTCTCAGAGAAATGTTTCCATCCTTCCCAGCTCTTTC
AAGCCTGATAAACAGATCTAAAAGAGCATCATCCAACATCTGGCCAGGAGCTGAATCCTTCAGCTCTT
CCTTCACTCCCTGTCTCCAGTGCTGACTTGCCTCTCTTCCCACTTGAGGTCTCCTCTCTCCCTCATG
CCAATCTGCCCACCTGGTGCCCGAGCTCAGTCCCTCAGCTCTGCACCCACATTGCGGCAGTGGTACCTT
GCCTTCAAGACTTGGGAAATCTGAAAGCACCACCCCAACCAAGGTACCTGTTTCAACCCCATCACTT
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ATAAGAAATCAAAGCAATACAAGACCAAGTCAAGCTACAAGGCTTTTGACGCAATCCCTACAAACACATT
GCTTTTGAACAGAGGCACTAGATGAACAGCAAGACTGAAAGTGTCTCAAGGACAACACATTAGAA
CCACCAAGTGGAGCTCTATTTTCTGCACAGCTCAGGCAGCAAACTGAAGAGCTCTGTGCTACCATGATA
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TCTCACCATCTTCTACAGTATCTGAGAGTCAAGTGAAGCCTGGAGTAATTCGCCCAGTACCTGTAA
AATCCAGAATATTACTGAAAAAGAGGAGGAAGTCTATGAACCAACCCCTTTCAGTAAATACTTGGGAAGA
TAACAGCGACCTCTTTTCTGAACAGGCTGCACATTCTGTGGACTCCTACTGCAACGGAAGTGACACGTCT
GGTCTTGGCTCCTCTGA
    
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Restriction Sites: Sgfl-MluI
ACCN: NM_001281746

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:	<u>NM_001281746.1, NP_001268675.1</u>
RefSeq Size:	5743 bp
RefSeq ORF:	2748 bp
Locus ID:	90523
UniProt ID:	<u>Q5VWP3</u>
Cytogenetics:	6p12.1
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. Acts as a transcriptional cofactor, represses transactivator activity of ISL1 and MYOCD.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence and in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has shorter and distinct N- and C-termini compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.