

Product datasheet for SC313563

MLIP (NM_138569) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLIP (NM_138569) 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)
Fully Sequenced ORF:	>SC313563 representing NM_138569. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAACCTTGAAAGCGTGAAAAAGAAGCTTATTAAACAAGAATTTAGAGGAGAACTGACGGTCTCT
 GCTGGTGGTTCTGAAGCCAAACCTCTGATCTTCACATTTGTCCCACTGTCAGAAGACTACCAACCCAT
 ACTCAGTTGGCTGACACCTCTAAATTCCTGTTAAATTCAGAAGAATCAAGTGATAAGAGTCCAGAA
 ACTGTAATAGGTCTAAATCCAATGACTACTTGACCTTGAATGCTGGGAGCCAACAAGAGAGAGACCAA
 GCGAAATTGACTGTCTTCAGAGGTGAGTGAACGATTTTACAAGAAAGGGAATTCGAAGCAAACAAA
 CTTCAAGGGATGCAGCAAAGTGACCTCTTCAAAGCTGAATATGTCCTTATTGTGGACTCCGAAGGGGAA
 GATGAGGCTGCAAGCAGAAAAGTTGAACAAGGCCCCCAAGGGGGATTGGCACCGCAGCTGTCCGGCCC
 AAGTCTCTAGCTATCTCGTCCAGTCTGGTCTCTGATGTAGTGCCTCCAAAACACAGGGGACTGATCTC
 AAGACCTCATCACATCCTGAAATGCTTCATGGGATGGCCCTCAGCAAAAGCATGGGCAGCAATACAAG
 ACCAAGTCAAGCTACAAGGCTTTTGAGCAATCCCTACAAACACATTGCTTTTGGAAACAGAAGGCACTA
 GATGAACCAGCCAAGACTGAAAGTGTCTCAAGGACAACATTAGAACCACCACTGGAGCTCTATTTT
 CCTGCACAGCTCAGGCAGCAAAGTGAAGAGCTCTGTGCTACCATTGATAAGGTCTTACAGGATTCCTTG
 TCTATGCATTCTCTGATTCTCCTTCAAGGTCCCAAGACATTGTTGGGTTCTGACACAGTCAAACT
 CCTACAACCTTCCAAGAGCAGCTGGTCGAGAAACCAATATGCAATCTCTCCTCACCATCTTCTACA
 GTATCTGAGAGTCAGCTGACTAAGCCTGGAGTAATTCGCCCAGTACCTGTAAAATCCAGAATATTACTG
 AAAAAAGAGGAGGAAGTCTATGAACCCAAACCTTTTCAGTAAATACTTGGAAGATAACAGCGACCTCTTT
 TCTGAACAGGATGTAAACAGTCCCTCCCAAGCCTGTCTCGTCCATCCTTTATATCAGACTAACTCTAT
 CCTCCTGCTAAGTCACTGCTGCATCCACAGACCCTCTCATGCTGACTGTCTTGCCCCAGGACCCTTC
 AGTCATCTGTCTTCTCCTTGAGTGATGAACAGGAGAATTCTCACACCCTCCTCAGTCACAACGCATGC
 AACAAGCTGAGTCATCCAATGGTGGCTATTCTGAACATGAAGCTCTTGATTCCAAGAGCA**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_138569
Insert Size:	1377 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_138569.2</u>
RefSeq Size:	1825 bp
RefSeq ORF:	1377 bp
Locus ID:	90523
UniProt ID:	<u>Q5VWP3</u>
Cytogenetics:	6p12.1
MW:	50.4 kDa
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 (3) differs in the 5' UTR and coding sequence and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) has a shorter and distinct N-terminus and lacks an alternate internal segment compared to isoform 1.