

Product datasheet for **SC326197**

MKLN1 (NM_001145354) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MKLN1 (NM_001145354) Human Untagged Clone
Tag:	Tag Free
Symbol:	MKLN1
Synonyms:	TWA2
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001145354, the custom clone sequence may differ by one or more nucleotides

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ATGCTTAAAAACATGGGGATTGGAATTCGGAACATTTTAGTGGACAAACCAATGACCAA
TCTTCAAGATGGTCTTCAGAGAGCAACTATCCTCCCCAGTACTTGATTCTAAAGCTCGAA
AGGCCTGCTATAGTTCAGAATATCACATTTGAAAAATATGAGAAAACATGTTTGCAAT
TTGAAGAAATTTAAAGTCTTTGGTGAATGAATGAAGAAAATATGACAGAGCTGTTGTCC
AGTGGCTTAAAGAATGATTATAACAAAGAAACATTACCTTGAAGCATAAAATTGATGAA
CAGATGTTCCCTTGTCGATTCATTAATAAGTTCCACTCTTGCTCTGGGACCCAGCTTT
AACTTTAGCATCTGGTATGTTGAACTTAGTGGCATTGATGATCCTGATATAGTACAACT
TGTCTCAACTGGTATAGCAAGTACCGTGAACAGGAAGCTATTCGCCTTTGCCTAAACAC
TTCAGACAACACAACATACAGAAGCTTTTGAAGTCACTGCAAAAGAAAACCAAGATTGCA
CTGGAACATCCCATGTTAACAGATATTCATGACAAGCTGGTGTGAAGGGTGATTTTGAT
GCTTGCAGAGAGTTGATTGAAAAGGCTGTAAATGATGGCTTGTCAATCAGTATATCAGT
CAACAGGAATATAAGCCACGATGGAGTCAAATCATTCCAAAAAGTACCAAGGTGATGGG
GAAGATAACCGTCCAGGAATGAGAGGAGGCCATCAGATGGTTATTGATGTTCAACAGAG
ACTGTTTTATTTGTTGGTGGCTGGGATGGAACACAAGATCTTGCTGACTTCTGGGCGTAC
AGTGTGAAGGAGAACCAGTGGACATGTATCTCTAGAGACACTGAAAAAGAGAATGGTCT
AGTGCCAGATCGTGTCATAAAATGTGCATTGATTTCAACGGAGGCAAATCTACACATTG
GGGCGTACTTGGATTCTCTGTGAGGAACAGCAAATCTCTGAAAAGTGACTTCTATCGT
TATGACATTGATACAAACACATGGATGTTACTAAGTGAGGATACTGCTGCTGATGGAGGG
CCGAAATTGGTGTGTTGATCATCAGATGTGTATGGACTCAGAAAAACATATGATCTACACT
TTTGGTGGTAGAATTTTGACTTGTAAATGGCAGCGTAGATGACAGCAGAGCCAGTGAACCA
CAATTCAGTGGCTTGTGTTGCTTTCAACTGTCAATGTCAAACCTGGAACTTCTTCGAGAG
GACTCCTGTAATGCTGGGCCTGAGGACATCCAGTCTCGAATAGGACACTGCATGTTATTC
CACTCAAAAAATCGTTGCTTATATGTATTTGGTGGCCAGCGATCAAAGACCTATTTGAAT
GATTTCTTTAGTTATGATGTGGACTCTGATCATGTAGACATAATATCAGATGGCACCAAG
AAAGACTCTGGGATGGTTCCAATGACAGGATTTACACAGAGAGCAACTATTGATCCAGAA
CTGAATGAAATACACGTCTTATCTGGACTCAGCAAAGATAAGGAAAAGAGGGAAGAAAAT
GTTAGAAATTCATTCTGGATTTATGACATTGTGAGGAATAGTTGGTCTTGTGCTATAAG
AATGATCAAGCTGCAAAGGATAATCCAATAAAAGTCTTCAGGAAGAAGAACCATGTCCA
AGGTTTGGCCATCAGCTTGATACGATGAGCTACACAAGGTTCTTACTTATTTGGTGGG
AATCCAGGAAAATCTTGCTCTCCAAAGATGAGATTAGATGACTTCTGGTCACTGAAGTTG
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TTTGAAGAAAAGGCCCAAGTGGATCCCCTTAGTGCTCTGAAATATTTACAAAATGATCTT
TATATAACTGTGGATCATTCAGACCCAGAAGAGACAAAAGAGTTTCAGCTCCTGGCATCA
GCTCTATTCAAATCTGGTTCAGATTTTACAGCTCTGGGCTTTTCTGATGTGGATCACACC
TATGCTCAAAGAACTCAGCTCTTTGACACCTTAGTAAATTTCTTCTGACAGCATGACT
CCTCCTAAAGGCAACCTGGTAGACCTCATCACACTG
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Restriction Sites: Please inquire

ACCN: NM_001145354

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_001145354.1, NP_001138826.1</u>
RefSeq Size:	11266 bp
RefSeq ORF:	2139 bp
Locus ID:	4289
UniProt ID:	<u>Q9UL63</u>
Cytogenetics:	7q32.3
Gene Summary:	Muskelin is an intracellular protein that acts as a mediator of cell spreading and cytoskeletal responses to the extracellular matrix component thrombospondin I (MIM 188060) (Adams et al., 1998 [PubMed 9724633]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) represents the longer transcript and encodes the shorter 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.