

Product datasheet for **SC310142**

MKLN1 (NM_013255) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MKLN1 (NM_013255) Human Untagged Clone
Tag:	Tag Free
Symbol:	MKLN1
Synonyms:	TWA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310142 representing NM_013255.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCTGGCGGAGCTGTGCTGCGGCGCCGAGTGCCGGCTTCTCCCCTACGCGCTACACAAGTGG
AGCTCCTTTTCTCCACCTACCTTCCCGAGAACATTTTGTGGACAAACCAATGACCAATCTTCAAGA
TGGTCTTCAGAGAGCAACTATCCTCCCGAGTACTTGATTCTAAAGCTCGAAAGGCCTGCTATAGTTCAG
AATATCAGATTTGAAAAATATGAGAAAACATGTTTGAATTTGAAGAAATTTAAAGTCTTTGGTGGA
ATGAATGAAGAAAATATGACAGAGCTGTTGTCCAGTGGCTTAAAGAATGATTATAACAAAGAAACATTC
ACCTTGAAGCATAAAATTGATGAACAGATGTTCCCTTGTGCGATTCAATAAATAGTTCCACTCTTGTC
TGGGGACCCAGCTTTAACTTTAGCATCTGGTATGTTGAAGTGTAGTGCATTGATGATCCTGATATAGTA
CAACCTTGTCTCAACTGGTATAGCAAGTACCGTGAACAGGAAGCTATTCGCTTTGCCTAAACACTTC
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ATGTTAACAGATATTCATGACAAGCTGGTGTGAAGGGTATTTTGTGCTTGCAGAGAGTTGATTGAA
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ATCATTCCCAAAAGTACCAAGGTGATGGGAAGATAACCGTCCAGGAATGAGAGGAGGCCATCAGATG
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TTCTGGGCGTACAGTGTGAAGGAGAACCAGTGGACATGTATCTCTAGAGACACTGAAAAAGAGAATGGT
CCTAGTGCCAGATCGTGTCAAAAATGTGATTGATTTCAACGGAGGCAAACTACACATTGGGGCGT
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ATGTGTATGGACTCAGAAAAACATATGATCTACACTTTTGGTGGTGAATTTTGAATTTGACTTGAATGGCAGC
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GATTTCTTTAGTTATGATGTGGACTCTGATCATGTAGACATAATATCAGATGGCACCAAGAAAGACTCT
GGGATGGTTCCAATGACAGGATTTACACAGAGAGCAACTATTGATCCAGAACTGAATGAAATACACGTC
TTATCTGGACTCAGCAAGATAAGGAAAAGAGGGAAGAAAATGTTAGAAATTCATTCTGGATTTATGAC
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CTTCAGGAAGAAGAACCATGTCCAAGGTTTGGCCATCAGCTTGATACGATGAGCTACACAAGGTTTCA
TACTTATTTGGTGGGAATCCAGGAAAATCTTGCTCTCAAAGATGAGATTAGATGACTTCTGGTCACTG
AAGTTGTGTAGACCTTCAAAAGATTATTTACTGAGGCATTGCAAGTACCTCATAAGAAAACACAGTTT
GAAGAAAAGGCCCAAGTGGATCCCCTTAGTGCTCTGAAATATTTACAAAATGATCTTTATATACTGTG
GATCATTCAGACCCAGAAGAGACAAAAGAGTTTCAGCTCCTGGCATCAGCTCTATTCAAATCTGGTTCA
GATTTTACAGCTCTGGGCTTTTCTGATGTGGATCACACCTATGCTCAAAGAACTCAGCTCTTTGACACC
TTAGTAAATTTCTTCTGACAGCATGACTCCTCTAAAGGCAACCTGGTAGACCTCATCACACTGTA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI
ACCN: NM_013255
Insert Size: 2208 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:	NM_013255.4
RefSeq Size:	11194 bp
RefSeq ORF:	2208 bp
Locus ID:	4289
UniProt ID:	Q9UL63
Cytogenetics:	7q32.3
Domains:	LisH, Kelch
MW:	84.8 kDa
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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is longer than 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.