

Product datasheet for **SC112150**

AKIRIN1 (NM_024595) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AKIRIN1 (NM_024595) Human Untagged Clone
Tag:	Tag Free
Symbol:	AKIRIN1
Synonyms:	C1orf108; STRF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112150 sequence for NM_024595 edited (data generated by NextGen Sequencing)

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ATGGCGTGC GGGGCGACGCTGAAGCGGCCCATGGAGTTCGAGGCGGCGCTGCTGAGCCCC
GGCTCCCCGAAGCGGGCGGCGCTGCGCCCTCTGCCGGCCCCACTCCGGGCTCAGGCC
CCGGACGCCGAGCCGCCGCCGTTTCAGACGCAGACCCACCCAGAGTCTGCAGCAG
CCCGCCCCGCCCGCAGCGAGCGGCGCCTTCCAACCTCCGGAGCAAATTTTTCAGAACATA
AAACAAGAATATAGTCGTTATCAGAGGTGGAGACATTTAGAAGTTGTTCTTAATCAGAGT
GAAGCTTGTGCTTCGGAAGTCAACCTCACTCCTCAGCACTCACAGCACCTAGCTCTCCA
GGTTCTCATGGATGAAGAAGGACCAGCCACATTTACCCTCCGACAAGTTGGCATAATA
TGTGAGCGCCTCTAAAAGACTATGAAGATAAAATTCGGGAGGAGTATGAGCAAATCCTC
AATACCAAAC TAGCAGAACAATATGAATCTTTTGTGAAATTCACACATGATCAGATTATG
CGACGGTATGGACAAGCCAACAAGCTATGTGTCATGA
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Clone variation with respect to NM_024595.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024595 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGCCGCACTTACTGCCGCGTC CGCTCCCAGTCCCTGGCCCTCAGCGGCATGGCGTGGGGGGCAGCGTGAAGCGGCCAT GGAGTTCGAGGCGGCGCTGCTGAGCCCCGGCTCCCCGAAGCGGCGGCGTGCGCCCTCT GCCCGGCCCACTCCGGGCTCAGGCCCGGACGCCGAGCCGCCGCCCGCTTTCAGAC GCAGACCCACCCAGAGTCTGCAGCAGCCCGCCCGCCGCGAGCGAGCGGCGCCTTCC AACTCCGGAGCAAATTTTTCAGAACATAAAACAAGAATATAGTCGTTATCAGAGTGGAG ACATTTAGAAGTTGTTCTTAATCAGAGTGAAGCTTGTGCTTCGGAAGTCAACCTCACTC CTCAGCACTCACAGCACCTAGCTCTCCAGTTCCTCATGGATGAAGAAGACCAGCCAC ATTTACCTCCGACAAGTTGGCATAATATGTGAGCGCCTCTTAAAAGACTATGAAGATAA AATTCGGGAGGAGTATGAGCAAATCCTCAATACCAAAGTGCAGAACAAATATGAATCTTT TGTGAAATTCACACATGATCAGATTATGCGACGGTATGGGACAAGCCAACAAGCTATGT GTCATGAAGCTTTGTACATATCTGGGTACCANGTTTTGACCTCAAGAGATGGCTGCTGT ACATTTNTGCAACTGGTTTGTATGTCACATTTTCAGCTCCCACTTTGCATCCTGAGAACAC TTAACGNTTCTGGCAGTCCATTTTATACAACNNTGAAGACCCGTAACCTNNTCTGTNTG CCACCAGCATATCTTTCTTTCTGCTCATCCCAACAGCTTGGGCCTACTGTGAAAGA TTTCCAACCAAAATACTGGAGCAGCAGTTAGCAAAAATGCCCTCAGTGGGCATCACA NAA GGNAGT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_024595 unedited GCCGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTGGAGACAGAAGTCTCGTTTTGTTG CCCAGGCTGGAGTGCAGTGGCATGATCTGTGCTCACTGCAACCGCCACCTCCAGGGTTCA AGTGATTTCTCTGCTCAGCCTCCAAGCAGCTGGGATTACAGACGCCTGCCACCAGCC CGGCTAATTTGTTGATTTTTAGTAGAGATGGGGTTTACCATATTGGCCAGGGTGGTC TCGAACTCCTGACCTCAAGTATCCGCATGCCTCGGACTCCCAAAGTGTGGGATTACAG GCGTGAGCCACTGCGCCAGCCAAATTATTTTTTAATAACTAATAACAAGGTGAAGT GGCTCCTCCCAAGTAGCAGTGTGCCGGGGCTGGCCAAAGCCTAGCCCTGGGCTCACCT CTCATGCTCCCAAGCCAACCTGATGCTCCTGGCTCCAGGGTAGACCTTTTCCCTTTAGA GGTTCAAGTGTCCAGGGAGCTCTATGATAATTGTGCGAATGAAGTGAAGCGCTGACTCCATG TGAGTATTTAAGGCTCGGAGCCAAAGAATTAACCTAACATGCCAGGCAGATTCCATGT GTCATGGCCCCGCTCCAGTTTTGTTCTAATTTCTCACCACGTGTCTGTAGATAAGA CCGCAGACCTTTGTTTTCTCATAATCCATCTAATGTCCCTCCTAACTTACGAATTAT ATTCGCGGCTGGAAACAGTCCCTGGTTTAAACCAATCCCTTCACTTATAAACCATCCC CTGGTACCACCCTGTATGGAACCCAAACATTATGATCCTTTTTAAACCAGCTAATGTGT TTTTACCCTTTTGGCGTGCCCAAATTTCCAGCCCAACCCCAAGACCCAAATAAATCTT TGCCATCTCCATCTATTCCTTAAACCCCTGTCCCCTTTCCACACCTCTACCCCGCTT TTCTAATACTTGGGCTGGGAAACCTCTTTTGTGAATGCCTCGCAGCCAATAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_024595
Insert Size:	2000 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).
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_024595.1](#), [NP_078871.1](#)

RefSeq Size: 1968 bp

RefSeq ORF: 579 bp

Locus ID: 79647

UniProt ID: [Q9H9L7](#)

Cytogenetics: 1p34.3

Gene Summary: Functions as signal transducer for MSTN during skeletal muscle regeneration and myogenesis. May regulate chemotaxis of both macrophages and myoblasts by reorganising actin cytoskeleton, leading to more efficient lamellipodia formation via a PI3 kinase dependent pathway.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.