

## Product datasheet for **SC325518**

### AKIRIN1 (NM\_001136275) Human Untagged Clone

#### Product data:

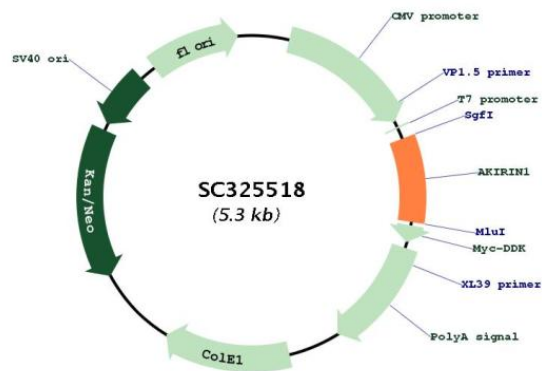
Product Type:	Expression Plasmids
Product Name:	AKIRIN1 (NM_001136275) Human Untagged Clone
Tag:	Tag Free
Symbol:	AKIRIN1
Synonyms:	C1orf108; STRF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325518 representing NM_001136275. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGTGCAGGGGCGACGCTGAAGCGGCCCATGGAGTTCGAGGCGGCGCTGCTGAGCCCCGGCTCCCCG
AAGCGGCGGCGCTGCGCCCTCTGCCGGCCCCACTCCGGGCTCAGGCCCGGACGCCGAGCCGCCG
CCGCCGTTTCAGACGCAGACCCACCGCAGAGTCTGCAGCAGCCCCGCCCGCCGCGAGCGGGCGC
CTTCCAACCTCCGAGCAAATTTTCAGAACATAAAACAAGAATATAGTCGTTATCAGAGGTGGAGACAT
TTAGAAGTTGTTCTTAATCAGAGTGAAGCTTGTGCTTCGAAAAGTCAACCTCACTCCTCAGCACTACA
GCACCTAGCTCTCCAGAACAATATGAATCTTTGTGAAATTCACACATGATCAGATTATGCGACGGTAT
GGGACAAGGCCAACAAGCTATGTGTCATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


<b>ACCN:</b>	NM_001136275
<b>Insert Size:</b>	444 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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\\_001136275.1](#)

**RefSeq Size:** 2591 bp

**RefSeq ORF:** 444 bp

**Locus ID:** 79647

**UniProt ID:** [Q9H9L7](#)

**Cytogenetics:** 1p34.3

**MW:** 16.5 kDa

**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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to 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.