

## Product datasheet for **SC327137**

### Acinus (ACIN1) (NM\_001164816) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acinus (ACIN1) (NM_001164816) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACIN1
Synonyms:	ACINUS; ACN; fSAP152
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

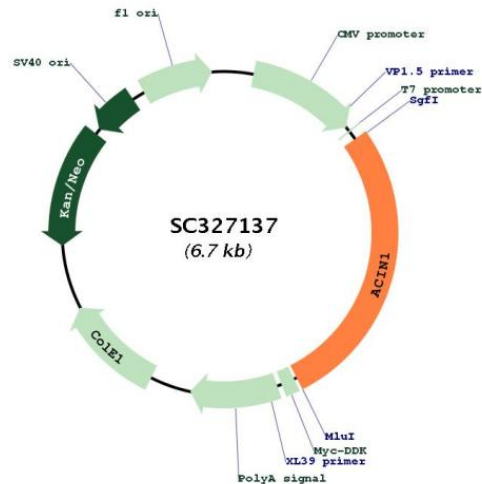


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Fully Sequenced ORF: >SC327137 representing NM\_001164816.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCTCCGGCTGATCGCTGCCGCTCCGCCAATACAATAGAGCCAGCCACTACCAGCAGCCTGGCCCTC
TTCCCTCCTTCTCCAGAGAGACCAATCCAGCCGAACCTCGGGTTTGCTGAGGAGAAGGAGGAAGTGACC
ATGGACACAAGTAAAAACAGACCTGAAAAATGATGTTCCAGAACCCTCCATGCCTATTGCAGACCAAGTC
AGCAATGATGACCGCCCCGAGGGCAGTGTGAAGATGAGGAGAAGAAAGAGAGCTCGCTGCCCAAATCA
TTCAAGAGGAAGATCTCCGTTGTCTCAGCTACCAAGGGGGTGCCAGCTGGAAACAGTGACACAGAGGGG
GGCCAGCCTGGTCGAAACGACGCTGGGGAGCCAGCACAGCCACCACAGAAGAAACCTTCCATCAGT
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AGGAAGAAGAGGAAGAAGAGAAGGAACCTGAAGCAGAACCCTCCTGTACCTCCCCAGGTGTCAGTAGAG
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TCCATTAGCCAGCAGAAGTCCGGAGTTTCCATTACCATTGATGACCCAGTCCGAACCTGCCAGGTGCC
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CGTGCGAAGTCTAAAGAAAAGAAGAGTGAGAAGAAAGAGAAAGCCAGGAGGAACCACCTGCCAAGCTG
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GAAGAAGAGCAAAAGGAGCGGGAGAAGGAAGCCGAGCGGGAACGGAACCGACAGCTGGAGCGAGAGAAA
CGTCGGGAGCACAGTCGGGAGAGGGACAGGGAGAGAGAGAGAAAGGGAGCGGGACAGGGGGACCGA
GATCGGGATAGGGAAGGGACCGAGAACGAGCCAGGGAAAGGGATCGCAGGGACACCAAGCGCCACAGC
AGAAGCCGGAGTCGGAGCACACCTGTGCGGGACCGGGGTGGGCGCCGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001164816

**Insert Size:** 1845 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\\_001164816.1](#)

**RefSeq Size:** 2467 bp

**RefSeq ORF:** 1845 bp

**Locus ID:** 22985

**UniProt ID:** [Q9UKV3](#)

**Cytogenetics:** 14q11.2

**Protein Pathways:** Spliceosome

**MW:** 70.9 kDa

**Gene Summary:** Apoptosis is defined by several morphologic nuclear changes, including chromatin condensation and nuclear fragmentation. This gene encodes a nuclear protein that induces apoptotic chromatin condensation after activation by caspase-3, without inducing DNA fragmentation. This protein has also been shown to be a component of a splicing-dependent multiprotein exon junction complex (EJC) that is deposited at splice junctions on mRNAs, as a consequence of pre-mRNA splicing. It may thus be involved in mRNA metabolism associated with splicing. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]

**Transcript Variant:** This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (4), also known as ACINUS-S', has a distinct N-terminus and is shorter 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.