

Product datasheet for **SC327110**

Acinus (ACIN1) (NM_001164817) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acinus (ACIN1) (NM_001164817) Human Untagged Clone
Tag:	Tag Free
Symbol:	Acinus
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: >SC327110 representing NM_001164817.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTTATCAGAAAGCAAGAAGGTGAGGAGAAGGAGGAAGTGACCATGGACACAAGTGAAAAACAGACCT
GAAAAATGATGTTCCAGAACCTCCCATGCCTATTGCAGACCAAGTCAGCAATGATGACCGCCCGAGGGC
AGTGTTGAAGATGAGGAGAAGAAAGAGAGCTCGCTGCCCAAATCATTCAAGAGGAAGATCTCCGTTGTC
TCAGCTACCAAGGGGTGCCAGCTGGAACAGTGACACAGAGGGGGGCCAGCCTGGTCGGAACGACGC
TGGGGAGCCAGCAGCCACCACACAGAAGAACTTCCATCAGTATCACCCTGAATCACTAAAGAGC
CTCATCCCCGACATCAAACCCCTGGCGGGCAGGAGGCTGTTGTGGATCTTCATGCTGATGACTCTCGC
ATCTCTGAGGATGAGACAGAGCGTAATGGCGATGATGGGACCCATGACAAGGGGTGAAAATATGCCGG
ACAGTCACTCAGGTAGTACCTGCAGAGGGCCAGGAGAATGGGCAGAGGGAAGAAGAGGAAGAAGAGAAG
GAACCTGAAGCAGAACCTCCTGTACCTCCCGAGGTGTAGTAGAGGTGGCCTTGGCCCCACCTGCAGAG
CATGAAGTAAAGAAAGTACTTTAGGAGATACCTTAACTCGACGTTCCATTAGCCAGCAGAAAGTCCGGA
GTTTCCATTACCATTTGATGACCCAGTCCGAAGTCCCGAGGTGCCCTCCCCACCCCGGGGCAAGATTAGC
AACATTGTCCATATCTCAATTTGGTCCGTCTTTCACTTTAGGCCAGCTAAAGGAGTTGTTGGGGCGC
ACAGGAACCTTGGTGGAAGAGGCCTTCTGGATTGACAAGATCAAATCTCATTGCTTTGTAACGTACTCA
ACAGTAGAGGAAGCTGTTGCCACCCGCACAGCTCTGCACGGGGTCAAATGGCCCCAGTCCAATCCCAA
TTCCTTTGTGCTGACTATGCCGAGCAAGATGAGCTGGATTATCACCGAGGCCTCTTGGTGACCGTCCC
TCTGAACTAAGCAGAGGAGCAGGGAATACCACGGCCCTGCACCCCCACCCCAACCCCGGTCCAG
CCACCACAGCACCCCGGGCAGAGCAGCGGGAGCAGGAACGGGCAGTGCGGGAACAGTGGGCAGAACGG
GAACGGGAAATGGAGCGCGGGAGCGGACTCGATCAGAGCGTGAATGGGATCGGGACAAAGTTTCGAGAA
GGGCCCCGTTCCCGATCAAGGTCCCGTGACCGCCGCAAGGAACGTGCGAAGTCTAAAGAAAAGAAAG
AGTGAGAAAGAGAAAGAGCCAGGAGGAACCACTGCCAAGCTGCTGGATGACCTTTTCCGAAAGACC
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GCCGAACGGGCCAAGGAGCGGGAGAAGCGGCGAAGGAGCAAGAAGAAGAAGAGCAAAAGGAGCGGGAG
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GACAGGGAGAGAGAGAGAGAAAGGGAGCGGGACAGGGGGACCGAGATCGGGATAGGGAAGGGACCGA
GAACGAGGCAGGGAAGGGATCGCAGGGACACCAAGCGCCACAGCAGAAGCCGGAGTCGGAGCACACCT
GTGCGGGACCGGGTGGCGCCGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001164817

Insert Size: 1752 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_001164817.1](#)

RefSeq Size: 2529 bp

RefSeq ORF: 1752 bp

Locus ID: 22985

UniProt ID: [Q9UKV3](#)

Cytogenetics: 14q11.2

Protein Pathways: Spliceosome

MW: 67.6 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 (5) 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 (5), 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.