

Product datasheet for **SC327709**

Acinus (ACIN1) (NM_001164814) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acinus (ACIN1) (NM_001164814) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACIN1
Synonyms:	ACINUS; ACN; fSAP152
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164814, the custom clone sequence may differ by one or more nucleotides

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ATGTGGAGACGGAAACATCCGAGGACATCCGGAGGAACCCGGGGAGTTCTGAGTGGTAAT
CGAGGGGTAGAGTATGGCAGTGGGCGGGTCATCTCGGTACGTTTGAAGGCGTTGGCGG
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TTCCAGCCAAATCCCAGATTGGTGAGGAAATGAGCCAGAACAGTTTCATAAAACAGTAT
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CTGCCTCTGGTTCAGAAAAGCACACTGGCTGACTACTCAGCCCAGAAGGATCTTGAACCT
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 GGAATCACTGAAGAAATGTCTGAAACAGCCATCTTTGGAACAGAAGGAAGGCAGAAGAGCT
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 GAAAGGGAGCGGGACAGGGGGACCGAGATCGGGATAGGGAAAGGGACCGAGAACGAGGC
 AGGAAAAGGGATCGCAGGGACACCAAGCGCCACAGCAGAAGCCGGAGTCGGAGCACACCT
 GTGCGGGACCGGGTGGGCGCCGC

Restriction Sites:

Please inquire

ACCN:

NM_001164814

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001164814.1](#), [NP_001158286.1](#)

RefSeq Size: 4909 bp

RefSeq ORF: 3987 bp

Locus ID: 22985

UniProt ID: [Q9UKV3](#)

Cytogenetics: 14q11.2

Protein Pathways: Spliceosome

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 (2) uses two alternate in-frame splice sites in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.