

Product datasheet for **RC229074**

Acinus (ACIN1) (NM_001164814) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acinus (ACIN1) (NM_001164814) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acinus
Synonyms:	ACINUS; ACN; fSAP152
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229074 representing NM_001164814 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGAGACGGAACATCCGAGGACATCCGGAGGAACCCGGGGAGTTCTGAGTGGTAATCGAGGGGTAG
AGTATGGCAGTGGGCGGGTCACTCGGTACGTTCAAGGGCGTTGGCGGAAATTACCGAAGATGCCCGA
AGCCGTCGGGACGGACCCGAGTACCTCACGAAGATGGCGGAGCTGGAGGAGGTGACTCTGGACGGGAAG
CCTCTTCAGGCGCTGCGGGTACCGACCTGAAGGCCGACTGGAGCAGCGAGGCCAGCCAAAGAGCGGGC
AGAAGAGTGCCCTGGTCAAGCGGCTCAAAGGGGCTCTAATGCTAGAAAATTTACAGAAACTCAACACC
CCATGCTGCATTCCAGCCAAATCCAGATTGGTGAGGAAATGAGCCAGAACAGTTTCATAAAACAGTAT
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AAGCTTCAGTGTGAGGAGCAGATGATCCATCCTGAGGGAGTGGCTTCCCTGCTGCCTCCTGACTT
TCAGAGCAGCCTGGAGAGACCAGAGCTGGAGCTCAGCAGACATTCGCCAGAAAAAGCTCCTCAATTTCT
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CAAGAGCAGCTAAACTGTCTGAGGGCAGCCAACCTGTGAGGAGGAAGAGGATCAAGAAACACCTTCCAG
AAACCTAAGGGTCAGAGCAGATCGAAATTTGAAAAAGAGGAGGAAGAAGAGGAGGAGGAGGAGGAA
GAAGATGATGAAGAAGAGGAAGGTGATGATGAGGACAAAAATCTAGGGAGCACCAATCCTGAAAGAT
TTAAGGAAGAAGGGAAGAGATACCTAGAGTAAAACAGAGGAGATGATGGATGAGAGACCCAAAAACAAG
ATCCCAGGAACAGGAGGTGTTAGAGAGAGGAGGAGATTTACAAGATCCCAGGAAGAGGCTAGAAAAAGT
CATCTGGCCAGACAGCAGCAGGAGAAGGAAATGAAAAACAATCTCCCCTTGGAGGAGGAAGAAAGAGAAA
TAAAATCTTCACAAGGCTTAAAGGAAAAATCGAAGTCTCCTTCCCCTCCTCGACTGACTGAAGATCGAAA
GAAGGCCTCACTTGTAGCGCTGCCAGAGCAAAGTCCAGCGAGGAGGAGACTCCTCCACCTTTACTAACA
AAGGAAGCATCTTCCACCACCTCATCCACAGCTCCATAGCGAAGAAGAAATAGAGCCCATGGAAGGCC
CAGCCCCCTGTCTCATTAGTTATCTCCTAATACAGATGCTGACACCAGGGAGCTATTAGTATC
TCAGCATACTGTCCAGTTGGTAGGAGCCTGTCTCCTTTGTCAAGTCTTCAGACACCAAAGCAGAACTCT



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Protein Sequence: >RC229074 representing NM_001164814
 Red=Cloning site Green=Tags(s)

MWRRKHPRTSGGTRGVL SGNRGVEYGSGRGHLGTFEGRWRKLPKMPEAVGTDPTSRKMALEEVTLDGK
 PLQALRVTDLKAALRGLAKSGQKLSALVKRLKGMLENLQKHSTPHAAFQPNISQI GEEMSONSF IKQY
 LEKQOELLRQRLEREAREAAEEEAESA ESEDEMIHPEGVASLLPPDFQSSLERPELELSRHSRPS
 EEKGDSDDEKPRKGERRSSRVQRARA AKLSEGSQPAEEEEEDQETPSRNLVRADRNLKTEEEEEEE
 EDDEEEEGDDEGQKSREAPILKEFKEEGEEIPRVKPEEMMDERPKTRSQE QEVLERGGRFTRSQEEAR
 KSLHARQQQEKEMKTTSPLEEEEREIKSSQGLKEKSKSPSPRLTEDRKKASLVALPEQTASEEETPPPL
 LTKEASSPPHPQLHSEEEIEPMEGPAPPVLIQLSPPNTDADTRELLVSQHTVQLVGGLSPLSSP
 SDTKAESPAEKVPEESVLPVQKSTLADYSAQKLEPESDRSAQPLPLKIEELALAKGITEECLKQPS
 LEQKEGRRASHTLLPSHRLKQSADSSSRSSSSSSSSSRSSRSPDSSGSRSHSPLRSKQRDVAQ
 ARTHANPRGRPKMGRSTSESRSRSRSRSASSNSRKSLSPGVSRDSSTSYTETKDPSSGQEVAT
 PVPVQLQVCEPKERTSTS SSSVQARRLSQPE SAEKHVTQRLQPERGSPKKCEAEAEPPAATQP
 QTSETQTSHLPESERIHHTVEEKEEVTMDTSENRPENDVPEPPMPIADQVSNDRPEGSVEDEE
 KESSLPKSFKRKISVVSTKGV PAGNSDTEGGQPGRKRRWGASTATTQKKPSISITTESLKEA
 VVDLHADDSSRISEDETERNGDDGTHDKGLKICRTVTQYVPAEQENGQREEEEEKEPEAEP
 PVPQVSVEALPPPAEHEVKVTLGDTL TRRSISQQKSGVSIITIDDPVRTAQVPSPPRGKIS
 NIVHISNLVVPFTLGLQKELLGRTGLVEEAFWIDKIKSHCFVTYSTVEEAVATRTALHG
 VKWPQSNPKFLCADYAEQDEL DYHRGLLVDRPSETKTEEQGI PRPLHPPPPPPVQPQHPR
 AEQREQERAVREQWAEREREMERRERTRSEREWRDQVREGPRSRSRSDRRRKRERAKSKEK
 KSEKKEKAQEPPAKLLDDLFRKTKAAPCIYWLPLTDSQIVQKEAERAERAKERKRKEQEE
 EQKEREKEAERERNRQLEREKRREHSRERDRERERERDRGDRDRDRERDRERDRDRDTRK
 HRSRSRSRSTPVRDRGGRR

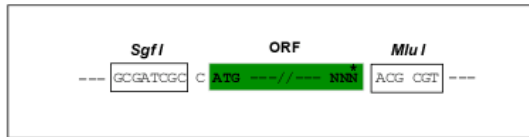
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



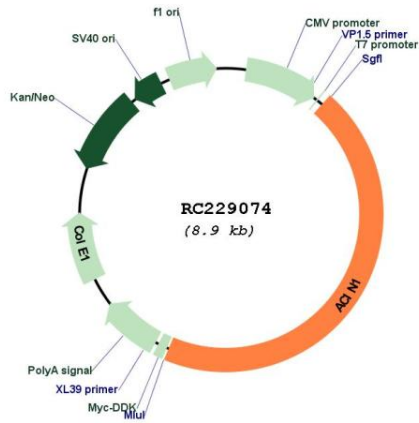
* The last codon before the Stop codon of the ORF

ACCN: NM_001164814

ORF Size: 3984 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none"> 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 ORF:	3987 bp
Locus ID:	22985
UniProt ID:	Q9UKV3
Cytogenetics:	14q11.2
Protein Pathways:	Spliceosome
MW:	150.4 kDa
Gene Summary:	<p>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]</p>

Product images:



Circular map for RC229074