

Product datasheet for **SC306092**

A1CF (NM_138932) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A1CF (NM_138932) Human Untagged Clone
Tag:	Tag Free
Symbol:	A1CF
Synonyms:	ACF; ACF64; ACF65; APOBEC1CF; ASP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_138932 edited
 GCTGTGCCAAAAACCTGTGGATTTTCTCTACAAAAATTATTGAGCAACCCTAATTAACCT
 GATTTTTTGTGATAATCACTCTCAATGGAATCAAATCACAAATCCGGGGATGGATTGAG
 CGGCACTCAGAAGGAAGCAGCCCTCCGCGCACTGGTCCAGCGCACAGGATATAGCTTGGT
 CCAGGAAAATGGCAAAGAAAATATGGTGGCCCTCCACCTGGTTGGGATGCTGCACCCCC
 TGAAAGGGGCTGTGAAATTTTTATTGAAAACTCCCCGAGACCTTTTGGAGATGAGCT
 TATACCATTATGTGAAAAATCGGTAAAATTTATGAAATGAGAATGATGATGGATTTAA
 TGGCAACAATAGAGGATATGCATTTGTAACATTTTCAAATAAAGTGAAGCCAAGAATGC
 AATCAAGCAACTTAATAATTATGAAATTAGAAATGGGCGCCTCTTAGGGTTTGTGCCAG
 TGTGGACAACCTGCCGATTATTTGTTGGGGCATCCAAAAACAAAAAGAGAGAAGAAAT
 CTTATCGGAGATGAAAAAGTTACTGAAGGTGTTGTCGATGTCATCGTCTACCCAAGCGC
 TGCAGATAAAAACCAAAAACCGAGGCTTTGCCTTCGTGGAGTATGAGAGTCATCGAGCAGC
 TGCCATGGCGAGGAGGAACTGCTACCAGGAAGAATTCAGTTATGGGGACATGGTATTGC
 AGTAGACTGGGCAGAGCCAGAAGTAGAAGTTGATGAAGATACAATGTCTTCAGTGAAAT
 CCTATATGTAAGAAATCTTATGCTGTCTACCTCTGAAGAGATGATTGAAAAGGAATTCAA
 CAATATCAAACCAAGGTGCTGTGGAGAGGGTGAAGAAAATTCGAGACTATGCTTTTGTGCA
 CTTCAAGTAACCGAGAAGATGCAGTTGAGGCTATGAAAGCTTTAAATGGCAAGGTGCTGGA
 TGGTTCACCCATTGAAGTCACCCTAGCAAAACCAAGTGGACAAGGACAGTTATGTTAGGTA
 TACCCGAGGCACAGGTGGAAGGGGCACCATGCTGCAAGGAGAGTATACCTACTCTTTGGG
 CCAAGTTTATGATCCCACCACAACCTACCTTGGAGCTCCTGTCTTCTATGCCCCAGAC
 CTATGCAGCAATCCCAGTCTTCATTTCCAGCCACCAAGGACATCTCAGCAACAGAGC
 CATTATCCGAGCCCTTCTGTTAGAGAAATTTACATGAATGTACCTGTAGGGGCTGCGGG
 AGTGAGAGGACTGGGCGCCGTGGCTATTTGGCATAACACAGGCCTGGGTCGAGGATACCA
 GGTCAAAGGAGACAAAAGAGAAGACAAAACCTCTATGACATTTTACCTGGGATGGAGCTCAC
 CCAATGAATCCTGTACATTA AAAACCCCAAGGAATTA AACTCGTCCCCAGATATTAGA
 AGAGATTTGTCAGAAAAATAACTGGGGACAGCCAGTGTACCAGCTGCACTCTGCTATTGG
 ACAAGACCAAAGACAGCTATTCTGTACAAAAATACTATTCTGCTCTAGCCAGCCAGAA
 TCCTGCAATCCACCCTTTCACACCTCAAAGCTGAGTGCCTTTGTGGATGAAGCAAAGAC
 GTATGCAGCCGAATACACCCTGCAGACCCTGGGCATCCCCACTGATGGAGGCGATGGCAC
 CATGGCTACTGCTGCTGCTGCTACTGCTTTCCAGGATATGCTGTCCCTAATGCAAC
 TGCACCCGTGCTGCAGCCAGCTCAAGCAAGCGGTAACCCCTGGACAAGACTTAGCAGC
 ATATACAACCTATGAGGTCTACCCAACCTTTGCAAGTACTGCCCGAGGGGATGGATATGG
 CACCTTCTGAAGATGCTTTTTTAAATTTAAGAATAAGACACACAAAACCTATTAAAAAA
 AAAAAAGAAATAAACCTCTAACTCGGTCCCAATGATC

Restriction Sites: Please inquire

ACCN: NM_138932

Insert Size: 2000 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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_138932.1.

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_138932.1](#), [NP_620310.1](#)

RefSeq Size: 2152 bp

RefSeq ORF: 1785 bp

Locus ID: 29974

UniProt ID: [Q9NQ94](#)

Cytogenetics: 10q11.23

Gene Summary: Mammalian apolipoprotein B mRNA undergoes site-specific C to U deamination, which is mediated by a multi-component enzyme complex containing a minimal core composed of APOBEC-1 and a complementation factor encoded by this gene. The gene product has three non-identical RNA recognition motifs and belongs to the hnRNP R family of RNA-binding proteins. It has been proposed that this complementation factor functions as an RNA-binding subunit and docks APOBEC-1 to deaminate the upstream cytidine. Studies suggest that the protein may also be involved in other RNA editing or RNA processing events. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 5. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 4. Variants 2 and 8 encode the same isoform (2). 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.