

## Product datasheet for **SC331225**

### A1CF (NM\_001198818) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** A1CF (NM\_001198818) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** A1CF  
**Synonyms:** ACF; ACF64; ACF65; APOBEC1CF; ASP  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331225 representing NM\_001198818.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAATCAAATCACAAATCCGGGGATGGATTGAGCGGCACTCAGAAGGAAGCAGCCCTCCGCGCACTG
GTCCAGCGCACAGGATATAGCTTGGTCCAGGAAAATGGACAAAGAAAATATGGTGGCCCTCCACCTGGT
TGGGATGCTGCACCCCTGAAAGGGGCTGTGAAATTTTTATTGAAAACCTCCCGAGACCTTTTTGAG
GATGAGCTTATACCATTATGTGAAAAATCGGTAAAATTTATGAAATGAGAATGATGATGGATTTAAT
GGCAACAATAGAGGATATGCATTTGTAACTTTCAAATAAAGTGAAGCCAAGAATGCAATCAAGCAA
CTTAATAATTATGAAATTAGAAATGGGCGCCTCTTAGGGTTTGTGCCAGTGTGGACAAC TGCCGATTA
TTTGTGGGGCATCCCAAAAACCAAAAAGAGAGAAGAAATCTTATCGGAGATGAAAAGGTTACTGAA
GGTGTTCGATGTCATCGTCTACCCAAGCGCTGCAGATAAAAACCAAAAACCGAGGCTTTGCCTTCGTG
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AAAATCCTATATGTAAGAAAATCTTATGCTGTCTACCTCTGAAGAGATGATTGAAAAGGAATCAACAAT
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GAAGATGCAGTTGAGGCTATGAAAGCTTTAAATGGCAAGGTGCTGGATGGTTCCCCATTGAAGTCACC
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CTGCAAGGAGAGTATACCTACTCTTTGGGCAAGTTTATGATCCCACCACAACCTACCTTGAGCTCCT
GTCTTCTATGCCCCAGACCTATGCAGCAATCCCAGTCTTCATTTCCAGCCACCAAGGACATCTC
AGCAACAGAGCCATTATCCGAGCCCTTCTGTTAGAGGGGCTGCGGGAGTGAGAGGACTGGGCGGCCGT
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TATGACATTTTACCTGGGATGGAGCTCACCCCAATGAATCCTGTCACATTAACCCCAAGGAATTA
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TCTGCTATTGGACAAGACCAAGACAGCTATTCTTGTACAAAATAACTATTCTGCTCTAGCCAGCCAG
AATCCTGCAATCCACCCTTTCACACCTCAAAGCTGAGTGCCTTTGTGGATGAAGCAAAGACGTATGCA
GCCGAATACACCCTGCAGACCCTGGGCATCCCCACTGATGGAGGCGATGGACCATTGGCTACTGCTGCT
GCTGCTGCTACTGCTTTCCAGGATATGCTGTCCCTAATGCAACTGCACCCGTGTCTGCAGCCAGCTC
AAGCAAGCGGTAACCCTTGGACAAGACTTAGCAGCATATAACAACCTATGAGGTCTACCAACTTTTGA
GTGACTGCCCCGAGGGGATGGATATGGCACCTTCGA
  
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**Restriction Sites:** SgfI-MluI



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ACCN:	NM_001198818
Insert Size:	1761 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).
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"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">NM_001198818.1</a>
RefSeq Size:	9362 bp
RefSeq ORF:	1761 bp
Locus ID:	29974
UniProt ID:	<a href="#">Q9NQ94</a>
Cytogenetics:	10q11.23
MW:	64.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and coding sequence and lacks an alternate in-frame segment compared to variant 5. The resulting isoform (1) has a shorter and distinct N-terminus and lacks a short internal segment compared to isoform 4. Variants 1, 4, and 7 encode the same 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.</p>