

## Product datasheet for **SC320908**

### APOBEC3C (NM\_014508) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** APOBEC3C (NM\_014508) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** APOBEC3C  
**Synonyms:** A3C; APOBEC1L; ARDC2; ARDC4; ARP5; bK150C2.3; PBI  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_014508.2  
TTAAAGAGGGCTGCTCAACTGCAAGGACGCTGTAAGCAGGAAGAGAAGCCACAGCGCTT  
AGAAAAGAGTGGGACAGGGACAAGCATATCTAAGAGGCTGAACATGAATCCACAGATCAG  
AAACCCGATGAAGGCAATGTATCCAGGCACATTCTACTTCCAATTTAAAAACCTATGGGA  
AGCCAACGATCGGGACGAAACTTGGCTGTGCTTACCCTGGAAGGTATAAAGCGCCGCTC  
AGTTGTCTCCTGGAAGACGGGCGTCTTCCGAAACCAGGTGGATTCTGAGACCCATTGTCA  
TGCAGAAAGGTGCTTCTCTCTTGGTTCTGCGACGACATACTGTCTCCTAACACAAAGTA  
CCAGGTCACCTGGTACACATCTTGGAGCCCTTGCCAGACTGTGCAGGGGAGGTGGCCGA  
GTTCTGGCCAGGCACAGCAACGTGAATCTCACCATCTTACC GCCCGCCTCTACTACTT  
CCAGTATCCATGTTACCAGGAGGGGCTCCGCAGCCTGAGTCAGGAAGGGGTCGCTGTGGA  
GATCATGGACTATGAAGATTTTAAATATTGTTGGGAAAACCTTTGTGTACAATGATAATGA  
GCCATTCAAGCCTTGGAAGGGATTAAAAACCAACTTTTCGACTTCTGAAAAGAAGGCTACG  
GGAGAGTCTCCAGTGAGGGGTCTCCCTGGGCCTCATGGTCTGTCTCTAGCCTCTGC  
TCATGCTGCACGGGCTCCCTCCACCCTGGACCCGCTCTGTTTCTGCCTGGTCATCCTG  
AGCCCCTCCTGGCCTCAGGGCCATTCCACAGTGTCCCTGCCTCACCCTTCTCCTCG  
CTTCCAGACTTCTCTGCAGAGGCTCCTTTCTGCCTCCATGGCTATCCATCCACCCCC  
ACAGACCCCGTTCCTCCAGCCTGCGTGCCCTAACCTGGCTTTTCCCATCTCCCCAGCAT  
AACCAAATCTTACTAAACTCATCTAGGCTGGGCATGGTGACTCAGCCTGTAATCCCCC  
AGCAATTTGGGAGGCAAAGGTGGGAGAATCGCGTGAGCCAGGAGTTCCAGACCAGGCTG  
GGTCACATGACAAAGCCCATCTCTACAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_014508



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<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>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.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<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>
<b>RefSeq:</b>	<p><a href="#">NM_014508.2</a>, <a href="#">NP_055323.2</a></p>
<b>RefSeq Size:</b>	<p>1127 bp</p>
<b>RefSeq ORF:</b>	<p>573 bp</p>
<b>Locus ID:</b>	<p>27350</p>
<b>UniProt ID:</b>	<p><a href="#">Q9NRW3</a></p>
<b>Cytogenetics:</b>	<p>22q13.1</p>
<b>Gene Summary:</b>	<p>This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. [provided by RefSeq, Jul 2008]</p>