

## Product datasheet for **SC123612**

### **APOBEC3F (BC017022) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	APOBEC3F (BC017022) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOBEC3F
Synonyms:	A3D; APOBEC3DE; APOBEC3E; ARP6
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for BC017022 edited
CTGGGACAAGCGTATCTAAGAGGCTGAACATGAATCCACAGATCAGAAATCCGATGGAGC
GGATGTATCGAGACACATTCTACGACAACCTTTGAAAACGAACCCATCCTCTATGGTCGGA
GCTACACTTGGCTGTGCTATGAAGTGAAAAAAGAGGGGGCCGCTCAAATCTCCTTTGGG
ACACAGGGGTCTTTCGAGGCCCGTACTACCCAAACGTAGTCAATCACAGGCAGGAGG
TGATTTCCGGTTTGAGAACCACGCAGAAATGTGCTTCTTATCTTGGTTCTGTGGCAACC
GACTGCCTGCTAACAGGCCTTCCAGATCACCTGGTTTGTATCATGGAACCCCTGCCTGC
CCTGTGTGGTGAAGGTGACCAAATTCTTGGCTGAGCACCCCAATGTCACCCTGACCATCT
CTGCCGCCCGCTCTACTACTACCGGGATAGAGATTGGCGGTGGGTGCTCCTCAGGCTGC
ATAAGGCAGGGGCCCGTGTGAAGATCATGGACTATGAAGACTTTGCATACTGCTGGGAAA
ACTTTGTGTGCAATGAAGGTGAGCCATTCATGCCTTGGTACAAATTCGATGACAATTATG
CATCCCTGCACCCGACGCTAAAGGAGATTCTCAGAAACCCGATGGAGGCAATGTACCCAC
ACATATTCTACTTCCACTTTAAAAACCTACTGAAAGCCTGTGGTCGGAACGAAAGCTGGC
TGTGCTTACCATGGAAGTTACAAAGCACCCTCAGCTGTCTTCCGGAAGAGGGGCGTCT
TCCGAAACCAGGTGGATCCTGAGACCCATTGTCATGCAGAAAGGTGCTTCTCTCTTGGT
TCTGTGAGCAGATCTGTCTCCTAACACAAACTACGAGGTACCTGGTACACATCTTGGG
GCCCTTGCCAGAGTGTGCAGGGGAGGTGGCCGAGTTCCTGGCCAGGCACAGCAACGTGA
ATCTCACCATCTTACCGCCCGCTCTGCTATTTCTGGGATACAGATTACCAGGAGGGGC
TCTGCAGCCTGAGTCAGGAAGGGCCCTCCGTGAAGATCATGGGCTACAAAGATTTTGTAT
CTTGTGGAAAACTTTGTGTACAGTGATGATGAGCCATTCAAGCCTTGGAGGGGACTAC
AAACCAACTTTGACTTCTGAAAAGAAGGCTACGGGAGATTCTCCAGTGAGGGGTCTCCC
TGGGCTCATGGTCTGTCTTCTTAGCCTCCTGCTCATGCTGCACGGGCCCTCCCTCCAT
CCTGCACCAGCTGTGCTTTTGCCTGGTCACTGAGCCCTCCTGGCCTCAGGGCCATTC
CATAGTGCCCCCTGCCTCACCACCTCCTCCCGCTCTCCAGGCTCTTCTTGTAGAGGC
TCTCCATCCACCTCCCCAGTCTGTTCCCCAGCCTGGGTGCCCTAACTTGACTTCTCC
CATCTCCCAGCATAACCAAATCTTTTTTTTTTTTTTTTTTGTAGACGGAGTTTCACTCTGT
CGCCAGACTAGAGTGAATGGCTGGATCTCAGCTCACTGCAAACCTCTGCTTACTGGGT
CAAGTGATTCTCCTGTCTCAGCTTCTGAGTGGCTGGGATTACAGATGCCTGCCACCACGC
CCAGCTAATTTTTTTTTTTTTTTTGTATTTTGTAGTACTGGGTTTCCCATGTTGGCC
AGGCTGGTCTTGAACCTCTGACCTCGGGTATCTGCCATCTCTGTCTCCCAAAGTGCTG
GGATTACGGCGTGAGCCACCCGCTCGGCTGCACAACCAAATCTTATTAACCTCAATCT
AGTCTGGCCCTGGTACTCACGCTTTCGGAGGCAGAGGTGGGAGAATCGCTTGAGCCCA
GAAGTTTGAGACCAGCCTGGGCCACACGACAAAGCCCCATTTCTACAAAAAAAATGCAA
AAAGAAAGCCAGATGTGGTGGCATGCACCTGTAGTTTAAAGCTACTTGGGAGGATGAAGTG
GGAGGACTGCTTGAGCCGGGGAGGTGGAGGCTGGAGTAAACTGAGATCGGCCACAGAAC
TCCAGTTTGAGCAACAGATCGAGACCCTGCCTGAAAATAAATCAATAAATACACTCAACC
TAAATGGAAAAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for BC017022 unedited</p> <pre> CCCCCGCAGTTCGGATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATCCCGGGAT ATCGTCGACCCACGCGTCCGCTGGGACAAGCGTATCTAAGAGGCTGAACATGAATCCACA GATCAGAAATCCGATGGAGCGGATGATCGAGACACATTCTACGACAACCTTGAAAACGA ACCCATCTCTATGGTCGGAGCTACACTTGGCTGTGCTATGAAGTGAAAATAAAGAGGGG CCGCTCAAATCTCCTTTGGGACACAGGGTCTTTTCGAGGCCCGTACTACCCAAACGTCA GTGCAATCACAGGCAGGAGGTGATTTCCGGTTTGAGAACCACGCAGAAATGTGCTTCTT ATCTTGGTCTGTGGCAACCGACTGCCTGCTAACAGGCGCTTCCAGATCACCTGGTTTGT ATCATGGAACCCCTGCCTGCCCTGTGTGGTGAAGGTGACCAAATCTTGGCTGAGCACCC CAATGTACCCTGACCATCTCTGCCGCCCGCTCTACTACTACCGGGATAGAGATTGGCG GTGGGTGCTCCTCAGGCTGCATAAGGCAGGGGCCCGTGTGAAGATCATGGACTATGAAGA CTTTGCATACTGTGGGAAAACCTTTGTGTGCAATGAAGTCAAGGTCAGCCATTCATGCCTTGGTA CAAATTCNATGACAATTATGCATCCCTGCACCGCACGCTAAAGGAGATTCTCAAAAACCC GATGGAGGGCATGGACCCACACATATTCTACTTCCACTTAAAAACCTACTGAAAGCCTG TGGTCGGAACGAAAGCTGGCTTGGGCTTCCCCCTGGGAGTTACCAAGCACNCCCTCAACT GTTTTTCGGAAGAGGGGCCGTCTTCCCAAACCAGGTGGATCCTGC </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC017022
<b>Insert Size:</b>	2124 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<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>	<a href="#">BC017022.1</a>
<b>RefSeq Size:</b>	2124 bp
<b>Locus ID:</b>	200316
<b>Cytogenetics:</b>	22q13.1

**Gene Summary:**

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. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]