

Product datasheet for **SC321930**

APOBEC3F (NM_145298) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOBEC3F (NM_145298) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOBEC3F
Synonyms:	A3F; ARP8; BK150C2.4.MRNA; KA6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_145298.5
 TGA AACCTGGAGCCTGGAGCAGAAAGTAAACCCTGGTGTCCAGACAAAGATCTTAGTC
 GGGACTAGCCGGCCAAGGATGAAGCCTCACTTCAGAAACACAGTGGAGCGAATGTATCGA
 GACACATTCTCTACAAC TTTTATAATAGACCCATCCTTTCTCGTCGGAATACCGTCTGG
 CTGTGCTACGAAGTAAAAACAAAGGTCCTCAAGGCCCGTTTGGACGCAAAGATCTTT
 CGAGGCCAGGTGTATTCCAGCCTGAGCACCACGCAGAAATGTGCTTCTCTCTGGTTC
 TGTGGCAACCAGCTGCCTGCTTACAAGTGTTCAGATCACCTGGTTTGTATCCTGGACC
 CCCTGCCCGACTGTGTGGCGAAGCTGGCCGAATTCCTGTCTGAGCACCCCAATGTCACC
 CTGACCATCTCCGCCGCCGCTCTACTACTACTGGGAAAGAGATTACCGAAGGGCGCTC
 TGCAGGCTGAGTCAGGCAGGGGCCCGTGTGAAGATTATGGACGATGAAGAATTTGCATAC
 TGCTGGGAAAAC TTTGTGTACAGTGAAGGTGAGCCATTATGCCTTGGTACAAATTCGAT
 GACAATTATGCATTCTGCACCGCACGCTAAAGGAGATTCTCAGAAACCCGATGGAGGCA
 ATGTATCCACACATATTCTACTTCCACTTTAAAAACCTACGCAAAGCCTATGGTCGGAAC
 GAAAGCTGGCTGTGCTTACCATGGAAGTTGTAAGCACCACCTACCTATCTCCTGGAAG
 AGGGCGCTTCCGAAACCAGGTGGATCCTGAGACCCATTGTGCATGCAGAAAGGTGCTTC
 CTCTCTGGTTCTGTGAGCAGATCTGTCTCTAACACAAACTACGAGGTACCTGGTAC
 ACATCTTGGAGCCCTTGCCAGAGTGTGCAGGGGAGGTGGCCGAGTTCTGGCCAGGCAC
 AGCAACGTGAATCTCACCATCTTACC GCCCGCTCTACTACTTCTGGGATACAGATTAC
 CAGGAGGGGCTCCGCAGCCTGAGTCAGGAAGGGCCCTCCGTGGAGATCATGGGCTACAAA
 GATTTTAAATATTGTTGGGAAAAC TTTGTGTACAATGATGATGAGCCATTCAAGCCTTGG
 AAAGGACTAAAATACAAC TTTCTATTCTGGACAGCAAGCTGCAGGAGATTCTCGAGTGA
 GGGGTCTCCAGGGCCTCATGGTCTGTCTCCTTAGCCTCCTGCATGCTGTGCAGGCC
 TCCCTCCATCCTGGACCAGCTGTGCTTTTGCTGGTGCATCCTGAGCCCTCTGGCCTC
 AGGGCATTCCATAGTGCTCCCTGCCTACCACCTCCTCTCCGCTCTCCAGGTTCTTC
 CTGCAGAGGCCTCTTTGCTCCTCATGGCTATCCATCCACCCACCAAGACCCTGTCCCT
 GAGCCTGCATGCCCTAACCTGCCTTTTCCCATCTCCCCAGCATAACCTAATTTTTTTTT
 TTTTTTTGAGATGGAATTTGCTCTGTCAACCAGACTGGAGTGCAATGGCTTGATCTTG
 GCTCACTGCAAAC TCTGCCTACCAGTTCAAGCGATTCTCCTGCCTCCGCTCCCGAGTA
 GCTGGAATTACAGACGCCTGCCATCACGCACAGCTAACTTTTTTTTTTTGTATTTTAG
 TAGTGACTGGGTTTACCATGTTGGCCAGGCTGGTCTTGAACCTCCTGACCTCAGGTGATC
 CGCTATCTCAGCCTCCCAAAGTGTGGGATTACAGGCGTGAGCCACTGGCCCGGGCA
 CAACCAAATCTTATTAACCTCACCTAGGCTGGCCGCGGTGACTCATGCCTGTAATCCCC
 CAGCAATTTGGGAGGCAGAGGTGAGAGAATCGTTGAGCCAGGAATTCGAGACCAGCCT
 GGGCCACATGACAAAGCCCCATCTTACAAAAAATTACAAAAA AAAAAAAAAACAGGTGT
 GGTGGCATGCACCTGTAGTTTAAGCTGCTTGGAAAGGATGAAGTGGGAGGATTGCTTGAGC
 CGGGGAGGTGGAGGCTGCAGTGAAGTGAAGTCAAGTCAAGTCAAGTCCAGTCTGAGCAACA
 GATCGAGACCCTGCCTGAAAATAAATCAATAAATAAATCAACCGAAATGGGCATGAAAG
 TTGAAATGGGTATGTAAGTTGAAAACAGAAAGTTTGGAGAAACATCCTTTGTTAACTTTC
 ATCCTACAAATTTGGTCAATTCATGTCTACGCAGCTAAAACAGAGCCAGGAGCCAGGGA
 GGAAAAGCAGTACAGCCACACACCATTTGCTCCAAAATGGACTTCTCTGCAAGCCTGACT
 CCTGAAACTGTGATTGTACCCTGAAACCAGCTTTATCCATAGCTTCTGCAATAAATGGC
 TGTAAGTCTTGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_145298

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:	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.
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_145298.5 , NP_660341.2
RefSeq Size:	4706 bp
RefSeq ORF:	1122 bp
Locus ID:	200316
UniProt ID:	Q8IUX4
Cytogenetics:	22q13.1
Domains:	APOBEC_C
Gene Summary:	<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. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript, and encodes the longer isoform (a).</p>