

Product datasheet for **RG207845**

APOBEC3F (NM_145298) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOBEC3F (NM_145298) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	APOBEC3F
Synonyms:	A3F; ARP8; BK150C2.4.MRNA; KA6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207845 representing NM_145298 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCCTCACTTCAGAAACACAGTGGAGCGAATGTATCGAGACACATTCTCTACAACTTTTATAATA
GACCCATCCTTTCTCGTCGGAATACCGTCTGGCTGTGCTACGAAGTAAAACAAAGGGTCCCTCAAGGCC
CCGTTTGGACGCAAAGATCTTTGAGGCCAGGTGATTCCAGCCTGAGCACCACGCAGAAATGTGCTTC
CTCTCTTGTTCTGTGGCAACCAGCTGCCTGCTTACAAGTGTTCAGATCACCTGGTTTGTATCCTGGA
CCCCCTGCCCGACTGTGTGGCAAGCTGGCCGAATTCCTGTCTGAGCACCCCAATGTCACCTGACCAT
CTCCGCCGCCGCTCTACTACTACTGGAAAGAGATTACCGAAGGGCGCTCTGCAGGCTGAGTCAGGCA
GGGGCCCGTGTGAAGATTATGGACGATGAAGAATTTGCATACTGCTGGGAAAACCTTTGTGTACAGTGAAG
GTCAGCCATTCATGCCTTGGTACAAATTCGATGACAATTATGCATTCTGCACCGCACGCTAAAGGAGAT
TCTCAGAAACCCGATGGAGGCAATGTATCCACACATATTCTACTTCCACTTTAAAAACCTACGCAAAGCC
TATGGTCGGAACGAAAGCTGGCTGTGCTTACCATGGAAGTTGTAAGCACCACTCACCTATCTCCTGGA
AGAGGGCGTCTCCGAAACCAGGTGGATCCTGAGACCCATTGTCATGCAGAAAGGTGCTTCTCTCTTG
GTTCTGTGACGACATACTGTCTCCTAACACAACTACGAGGTACCTGGTACACATCTTGGAGCCCTTGC
CCAGAGTGTGCAGGGAGGTGGCCGAGTTCCTGGCCAGGCACAGCAACGTGAATCTCACCATCTTCCCG
CCGCCTCTACTACTTCTGGGATACAGATTACCAGGAGGGCTCCGCAGCCTGAGTCAGGAAGGGGCTC
CGTGGAGATCATGGGCTACAAAGATTTTAAATATTGTTGGGAAAACCTTTGTGTACAATGATGATGAGCCA
TTCAAGCCTTGGAAAGGACTAAAATACAACCTTTCTATTCTGGACAGCAAGCTGCAGGAGATTCTCGAG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG207845 representing NM_145298
 Red=Cloning site Green=Tags(s)

MKPHFRNTVERMYRDTFSYNFYNRPILSRRNTVWLCYEVKTKGSPRRLDAKIFRGQVYSQPEHHAEMCF
 LSWFCGNQLPAYKCFQITWVSWTPCPDCVAKLAEFLSEHPNVTLTISAARLYYYWERDYRRALCRLSQA
 GARVKIMDDEEFAYCWENFVYSEGQPFMPWYKFDNYAFLHRTLKEILRNPMEAMYPHIFYFHFKNLRKA
 YGRNESWLCTMEVVKHHSPISWKRGVFRNQVDPETHCHAERCFLSWFCDDILSPNTNYEVTWYTSWSPC
 PECAGEVAEFLARHSNVNLTIFTARLYYFWDTDYQEGLRSLSQEGASVEIMGYKDFKYCWENFVYNDDEP
 FKPWKGLKYNFLFLDSKLQEILE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145298

ORF Size: 1119 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_145298.5](#), [NP_660341.2](#)

RefSeq Size: 4706 bp

RefSeq ORF: 1122 bp

Locus ID: 200316

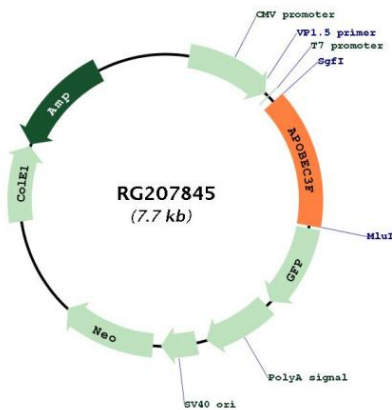
UniProt ID: [Q8IU4](#)

Cytogenetics: 22q13.1

Domains: APOBEC_C

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]

Product images:



Circular map for RG207845