

Product datasheet for **RC207845**

APOBEC3F (NM_145298) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOBEC3F (NM_145298) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	APOBEC3F
Synonyms:	A3F; ARP8; BK150C2.4.MRNA; KA6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207845 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCCTCACTTCAGAAACACAGTGGAGCGAATGTATCGAGACACATTCTCTACAACITTTATAATA
GACCCATCCTTTCTCGTCGGAATACCGTCTGGCTGTGCTACGAAGTAAAACAAAGGGTCCCTCAAGGCC
CCGTTTGGACGCAAAGATCTTTGAGGCCAGGTGATTCCAGCCTGAGCACCACGCAGAAATGTGCTTC
CTCTCTTGTTCTGTGGCAACCAGCTGCCTGCTTACAAGTGTTCAGATCACCTGGTTTGTATCCTGGA
CCCCCTGCCCGACTGTGTGGCAAGCTGGCCGAATTCCTGTCTGAGCACCCCAATGTCACCTGACCAT
CTCCGCCGCCCGCTCTACTACTACTGGAAAGAGATTACCGAAGGGCGCTCTGCAGGCTGAGTCAGGCA
GGGGCCCGTGTGAAGATTATGGACGATGAAGAATTTGCATACTGCTGGGAAAACITTTGTGTACAGTGAAG
GTCAGCCATTCATGCCTTGGTACAAATTCGATGACAATTATGCATTCTGCACCGCACGCTAAAGGAGAT
TCTCAGAAACCCGATGGAGGCAATGTATCCACACATATTCTACTTCCACTTTAAAAACCTACGCAAAGCC
TATGGTCGGAACGAAAGCTGGCTGTGCTTACCATGGAAGTTGTAAGCACCACTCACCTATCTCCTGGA
AGAGGGCGTCTCCGAAACCAGGTGGATCCTGAGACCCATTGTCATGCAGAAAGGTGCTTCTCTCTTG
GTTCTGTGACGACATACTGTCTCCTAACACAACTACGAGGTACCTGGTACACATCTTGGAGCCCTTGC
CCAGAGTGTGACGGGAGGTGGCCGAGTTCCTGGCCAGGCACAGCAACGTGAATCTCACCATCTTCCCG
CCGCCTCTACTACTTCTGGGATACAGATTACCAGGAGGGCTCCGCAGCCTGAGTCAGGAAGGGGCTC
CGTGGAGATCATGGGCTACAAAGATTTTAAATATTGTTGGGAAAACITTTGTGTACAATGATGATGAGCCA
TTCAAGCCTTGGAAAGGACTAAAATACAACITTTCTATTCTGGACAGCAAGCTGCAGGAGATTCTCGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_145298.6](#)

RefSeq Size: 4706 bp

RefSeq ORF: 1122 bp

Locus ID: 200316

UniProt ID: [Q8IU4](#)

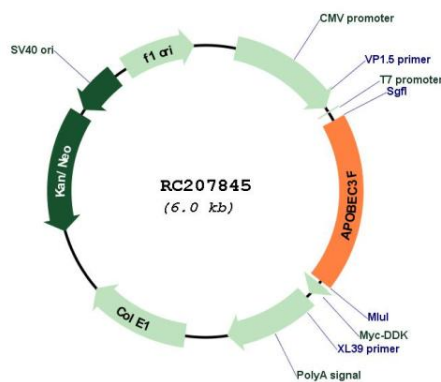
Cytogenetics: 22q13.1

Domains: APOBEC_C

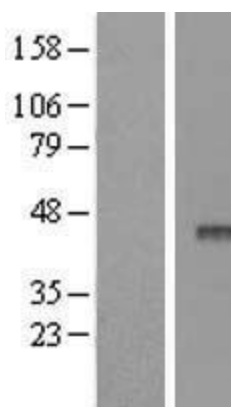
MW: 45.1 kDa

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]

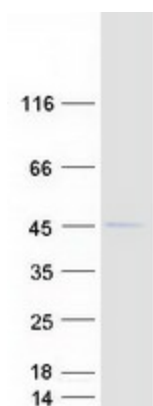
Product images:



Circular map for RC207845



Western blot validation of overexpression lysate (Cat# [LY407949]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207845 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified APOBEC3F protein (Cat# [TP307845]). The protein was produced from HEK293T cells transfected with APOBEC3F cDNA clone (Cat# RC207845) using MegaTran 2.0 (Cat# [TT210002]).