

## Product datasheet for RC212707

### APOBEC3F (NM\_001006666) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** APOBEC3F (NM\_001006666) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** APOBEC3F  
**Synonyms:** A3F; ARP8; BK150C2.4.MRNA; KA6  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC212707 representing NM\_001006666  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAGCCTCACTTCAGAAACACAGTGGAGCGAATGTATCGAGACACATTCTCCTACAACITTTATAATA  
GACCCATCCTTTCTCGTCGGAATACCGTCTGGCTGTGCTACGAAGTAAAACAAAGGTCCTCAAGGCC  
CCGTTTGGACGCAAAGATCTTTGAGGCCAGGTGCCAGGTCTTTCATCAGAGCCCCATTTCAGTGCTC  
AGTAGCCCTTTGGCCAGTGCGCCCCACCACATGGGACAGCGCAGGTCCAGTGGCTCCCAGCTGACCG  
CAGGCAGGGAACAAGGCAGACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC212707 representing NM\_001006666  
Red=Cloning site Green=Tags(s)

MKPHFRNTVERMYRDTFSYNYFYNRPILSRNTVWLCYEVKTKGSPRRLDAKIFRGQVPRSFIRAPFQVL  
SSPFGQCAPPHTAQVQWPPQLTAGREQGRP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

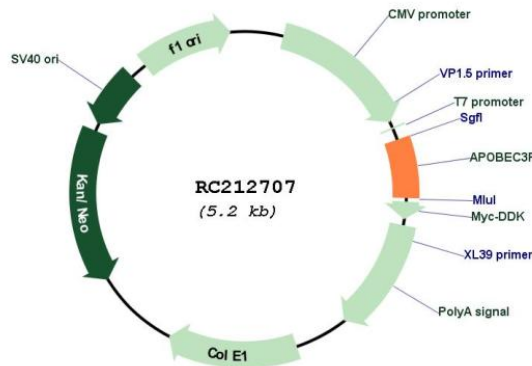


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**Cloning Scheme:**



**Plasmid Map:**



ACCN: NM\_001006666

ORF Size: 303 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<u><a href="#">NM_001006666.2</a></u>
<b>RefSeq Size:</b>	822 bp
<b>RefSeq ORF:</b>	306 bp
<b>Locus ID:</b>	200316
<b>UniProt ID:</b>	<u><a href="#">Q8IUX4</a></u>
<b>Cytogenetics:</b>	22q13.1
<b>MW:</b>	11.6 kDa
<b>Gene Summary:</b>	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]