

Product datasheet for **RC208399**

APOBEC2 (NM_006789) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: APOBEC2 (NM_006789) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: APOBEC2
Synonyms: ARCD1; ARP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC208399 representing NM_006789
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGAAGGAAGAGGCTGCTGTGGCCACTGAGGCTGCCTCCAGAATGGGGAGGATCTGGAGAACC
 TGGACGACCCTGAGAAGCTGAAAGAGCTGATTGAGCTGCCGCCCTTTGAGATTGTCACAGGAGAACGGCT
 GCCTGCCAACTTCTTTAAATTCCAGTTCGGGAATGTGGAGTACAGTTCGGGAGGAACAAGACCTTCCTC
 TGCTATGTGGTTGAAGCACAGGGCAAGGGGGCCAAGTGCAGGCATCTCGGGGATACCTAGAGGATGAGC
 ATGCGGCTGCCATGCAGAGGAAGCTTTCTTCAACACCATCCTGCCAGCCTTCGACCCAGCCCTGCGGTA
 CAATGTCACCTGGTATGTGTCTCCAGCCCTGTGCAGCGTGTGCTGACCGCATTATCAAAACCTTAGC
 AAGACCAAGAACCTGCGTCTGCTCATTCTGGTGGTTCGACTTTCATGTGGGAGGAGCCGGAGATCCAGG
 CTGCTCTGAAGAAGCTGAAGGAGGCTGGCTGTAAGTGCAGCATCATGAAGCCCCAGGACTTCGAATATGT
 CTGGCAGAATTTGTGGAGCAAGAAGAGGGTGAATCCAAGGCCTTTCAGCCCTGGGAGGACATTCAGGAG
 AACTTCTATACTACGAGGAGAAGTTGGCAGACATCCTGAAG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 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_006789.3](#), [NP_006780.1](#)

RefSeq Size: 1195 bp

RefSeq ORF: 675 bp

Locus ID: 10930

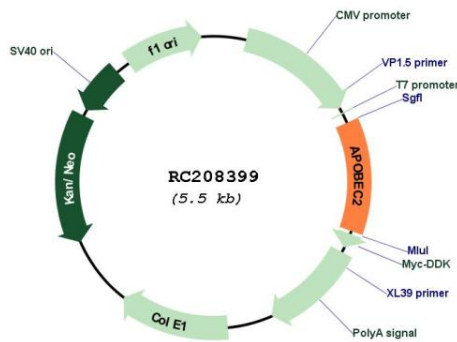
UniProt ID: [Q9Y235](#)

Cytogenetics: 6p21.1

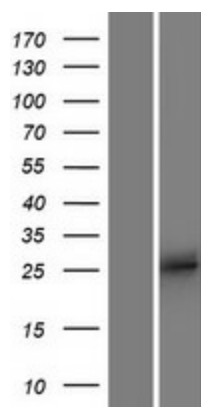
MW: 25.5 kDa

Gene Summary: Probable C to U editing enzyme whose physiological substrate is not yet known. Does not display detectable apoB mRNA editing. Has a low intrinsic cytidine deaminase activity. May play a role in the epigenetic regulation of gene expression through the process of active DNA demethylation.[UniProtKB/Swiss-Prot Function]

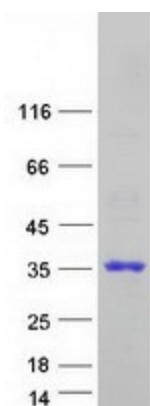
Product images:



Circular map for RC208399



Western blot validation of overexpression lysate (Cat# [LY416413]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208399 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified APOBEC2 protein (Cat# [TP308399]). The protein was produced from HEK293T cells transfected with APOBEC2 cDNA clone (Cat# RC208399) using MegaTran 2.0 (Cat# [TT210002]).