

Product datasheet for **SC303828**

APOBEC2 (NM_006789) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOBEC2 (NM_006789) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOBEC2
Synonyms:	ARCD1; ARP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303828 representing NM_006789. Blue=Insert sequence Red=Cloning site Green=Tag(s)

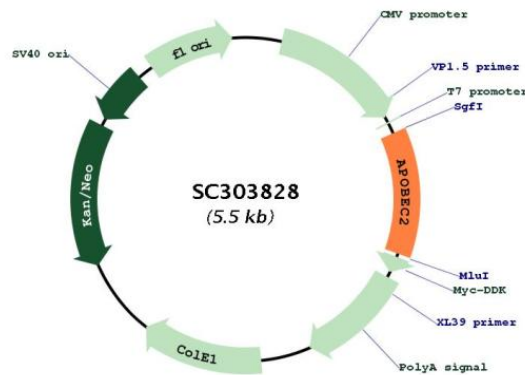
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAGAAGGAAGAGGCTGCTGTGGCCACTGAGGCTGCCTCCCAGAATGGGGAGGATCTGGAGAAC
CTGGACGACCCTGAGAAGCTGAAAGAGCTGATTGAGCTGCCGCCCTTTGAGATTGTACAGGAGAACGG
CTGCCTGCCAACTTCTTTAAATTCAGTCCGGAATGTGGAGTACAGTCCGGGAGGAACAAGACCTTC
CTCTGCTATGTGGTTGAAGCACAGGGCAAGGGGGCCAAAGTGCAGGCATCTCGGGGATACCTAGAGGAT
GAGCATGCGGCTGCCCATGCAGAGGAAGCTTTCTCAACACCATCCTGCCAGCCTTCGACCCAGCCCTG
CGGTACAATGTACCTGGTATGTGTCTCCAGCCCTGTGCAGCGTGTGCTGACCGCATTATCAAAACC
CTTAGCAAGACCAAGAACCTGCGTCTGCTCATTCTGGTGGTTCGACTCTTCATGTGGGAGGAGCCGGAG
ATCCAGGCTGCTCTGAAGAAGCTGAAGGAGGCTGGCTGTAAACTGCGCATCATGAAGCCCCAGGACTTC
GAATATGTCTGGCAGAATTTTGTGGAGCAAGAAGGGTGAATCCAAGGCCTTTAGCCCTGGGAGGAC
ATTCAGGAGAACTTCTATACTACGAGGAGAAGTTGGCAGACATCCTGAAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_006789

Insert Size: 675 bp

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:

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](#)

RefSeq Size: 1643 bp

RefSeq ORF: 675 bp

Locus ID: 10930

UniProt ID: [Q9Y235](#)

Cytogenetics: 6p21.1

MW: 25.7 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]