OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC211919

Apobec3 (NM_030255) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apobec3 (NM_030255) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Apobec3
Synonyms:	Apobec; Arp3; BC003314; Cem15; Rfv3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211919 representing NM_030255 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGACCATTCTGTCTGGGATGCAGCCATCGCAAATGCTATTCACCGATCAGAAACCTGATATCTCAAG AAACATTCAAGTTCCACTTTAAGAACCTAGGCTATGCCAAAGGCCGGAAAGATACCTTCTTGTGCTATGA AGTGACTAGAAAGGACTGCGATTCACCCGTCTCCCTTCACCATGGGGTCTTTAAGAACAAGGACAACATC CACGCTGAAATCTGCTTTTTATACTGGTTCCATGACAAAGTACTGAAAGTGCTGTCTCCGAGAGAAGAGT TCAAGATCACCTGGTATATGTCCTGGAGCCCCTGTTTCGAATGTGCAGAGCAGATAGTAAGGTTCCTGGC TACACACCACAACCTGAGCCTGGACATCTTCAGCTCCCGCCTCTACAACGTACAGGACCCAGAAACCCAG CAGAATCTTTGCAGGCTGGTTCAGGAAGGAGCCCAGGTGGCTGCCATGGACCTATACGAATTTAAAAAGT GTTGGAAGAAGTTTGTGGACAATGGTGGCAGGCGATTCAGGCCTTGGAAAAGACTGCTTACAAATTTTAG ATACCAGGATTCTAAGCTTCAGGAGATTCTGAGGCGAATGGACCCGCTAAGTGAAGAGGAATTTTACTCG CAGTTTTACAACCAACGAGTCAAGCATCTCTGCTACTACCACCGCATGAAGCCCTATCTATGCTACCAGC TGGAGCAGTTCAATGGCCAAGCGCCACTCAAAGGCTGCCTGCTAAGCGAGAAAGGCAAACAGCATGCAGA AATCCTCTTCCTTGATAAGATTCGGTCCATGGAGCTGAGCCAAGTGACAATCACCTGCTACCTCACCTGG AGCCCCTGCCCAAACTGTGCCTGGCAACTGGCGGCATTCAAAAGGGATCGTCCAGATCTAATTCTGCATA TCTACACCTCCCGCCTGTATTTCCACTGGAAGAGGCCCTTCCAGAAGGGGCTGTGTTCTCTGTGGCAATC AGGGATCCTGGTGGACGTCATGGACCTCCCACAGTTTACTGACTGCTGGACAAACTTTGTGAACCCGAAA AGGCCGTTTTGGCCATGGAAAGGATTGGAGATAATCAGCAGGCGCACACAAAGGCGGCTCCGCAGGATCA AGGAGTCCTGGGGTCTGCAAGATTTGGTGAATGACTTTGGAAACCTACAGCTTGGACCCCCGATGTCTTG A ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

View online »

Chromatograms:	https://cdn.origene.com/chromatograms/ja2743_b03.zip
Restriction Sites:	SgfI-MluI
ACCN:	NM_030255
Insert Size:	1191 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_030255.3, NP_084531.2
RefSeq Size:	2360 bp
RefSeq ORF:	1191 bp
Locus ID:	80287
Cytogenetics:	15 37.85 cM
Gene Summary:	DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase-dependent and -independent mechanisms. Selectively targets single-stranded DNA and does not deaminate double-stranded DNA or single-or double-stranded RNA. Exhibits antiviral activity against HIV-1, simian immunodeficiency viruses (SIVs), mouse mammary tumor virus (MMTV) and friend murine leukemia virus (FrMLV) and may inhibit the mobility of LTR retrotransposons. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region, compared to variant 1. The encoded isoform (2)is shorter than isoform 1.