

Product datasheet for **SC308189**

APOBEC4 (NM_203454) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOBEC4 (NM_203454) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOBEC4
Synonyms:	C1orf169
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308189 representing NM_203454. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAGCCATATATGAGGAGTACCTAGCAATCATGGAACAATAGTAAAACCATATTACTGGCTAAGC
 TTCTCTCTCGATTGCTCTAATTGTCCTTACCATATTCGAACAGGTGAAGAAGCAAGAGTTTCCCTCACA
 GAATTTTGTGAGATTTTGGATTCCCTTATGGGACAACATTTCTCAAACAAAACACCTCACATTTTAT
 GAACTAAAACTTCTTCTGGTAGCCTGGTGCAAAAGGGCCATGCTAGCAGTTGCACTGGGAATTATATC
 CATCCAGAATCAATGCTCTTTGAAATGAATGGTTATCTTGACTCAGCCATATACAATAATGACAGCATC
 AGGCATATCATTCTGTATTCCAACAACCTCCCTTGTAAATGAAGCTAACCCTGCTGCATCAGCAAAATG
 TATAATTTCTGATTACGTATCCAGGCATCACTCTTAGTATTTATTTTCTCAGCTCTATCATACTGAG
 ATGGACTTTCTGCCTCAGCATGGAACCGCAAGCTCTCCGGAGCCTGGCCAGCTTATGGCCGCGGGTT
 GTTTTGAGTCCAATAAGTGGTGGGATCTGGCATTCTGTTCTCCACAGCTTTATAAGTGGTGTCTCAGGA
 TCACATGTTTTTCAGCCATTTTAACTGGGAGAGCACTGGCTGACAGGCACAACGCATATGAAATCAAT
 GCCATAACAGGCGTAAACCTTACTTCACTGATGTTCTTCTCCAGACAAAAGGAATCCAACACAAAA
 GCTCAGGAGGCTTTAGAGAGCTACCCCTTAAACAATGCCTTCTGGACAGTTTTTCAAATGCCGAGT
 GGACAACCTCAACCAACCTACCTCCAGACCTCAGGGCTCCTGTTGTTTTGTGCTAGTGCCTCTCAGG
 GACTTACCACCAATGCATATGGGCCAAAACCAAATAAACCCAGGAATATCGTAAGGCACTTAAATATG
 CCTCAAATGTCAATTCAGGAAACCAAGGACCTTGAAGGCTTCCCACTGGAAGGTCAAGTGAGATAGTG
 GAAATCACAGAACAGTTTGCAAGTAGCAAGGAGGCAGATGAAAAGAAGAAGAAGAAGGGAAGAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_203454
Insert Size:	1104 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:	<u>NM_203454.2</u>
RefSeq Size:	2786 bp
RefSeq ORF:	1104 bp
Locus ID:	403314
UniProt ID:	<u>Q8WW27</u>
Cytogenetics:	1q25.3
MW:	41.6 kDa
Gene Summary:	This gene encodes a member of the AID/APOBEC family of polynucleotide (deoxy)cytidine deaminases, which convert cytidine to uridine. Other AID/APOBEC family members are involved in mRNA editing, somatic hypermutation and recombination of immunoglobulin genes, and innate immunity to retroviral infection. [provided by RefSeq, Jul 2008]