

Product datasheet for **MC208136**

Apobec1 (NM_001134391) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apobec1 (NM_001134391) Mouse Untagged Clone
Tag: Tag Free
Symbol: Apobec1
Synonyms: Cdar1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208136 representing NM_001134391
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTCCGAGACAGGCCCTGTAGCTGTTGATCCCACTCTGAGGAGAAGAATTGAGCCCCACGAGTTTG
AAGTCTTCTTTGACCCCCGGGAGCTTCGAAAGAGACCTGTCTGCTGTATGAGATCAACTGGGGTGAAG
GCACAGTGTCTGGCGACACACGACCCAAAACACCAGCAACCACGTTGAAGTCAACTTCTTAGAAAAATTT
ACTACAGAAAGATACTTTTCGTCCGAACACCAGATGCTCCATTACCTGGTTCCTGTCTGGAGTCCCTGCG
GGGAGTGTCTCCAGGGCCATTACAGAGTTTCTGAGCCGACACCCCTATGTAACCTCTGTTTATTTACATAGC
ACGGCTTTATCACCACACGGATCAGCGAAACCGCAAGGACTCAGGGACCTTATTAGCAGCGGTGTGACT
ATCCAGATCATGACAGAGCAAGAGTATTGTTACTGCTGGAGGAATTTTCGTCAACTACCCCTTCAAACG
AAGCTTATTGGCCAAGGTACCCCATCTGTGGGTGAACTGTATGTAAGGAGCTCTACTGCATCATTTT
AGGACTCCACCCTGTTTAAAAATTTTAAAGAAGAAAGCAACCTCAACTCACGTTTTTACAATTACTCTT
CAAACCTGCCATTACCAAAGGATACCACCCCATCTCCTTTGGGCTACAGGTTGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001134391
Insert Size: 690 bp



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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).
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:	<ol style="list-style-type: none">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_001134391.1</u> , <u>NP_001127863.1</u>
RefSeq Size:	2209 bp
RefSeq ORF:	690 bp
Locus ID:	11810
UniProt ID:	<u>P51908</u>
Cytogenetics:	6 57.68 cM
Gene Summary:	<p>Catalytic component of the apolipoprotein B mRNA editing enzyme complex which is responsible for the postranscriptional editing of a CAA codon for Gln to a UAA codon for stop in the APOB mRNA. May also play a role in the epigenetic regulation of gene expression by participating in DNA demethylation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.</p>