

## Product datasheet for MC207229

### Apobec1 (NM\_031159) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Apobec1 (NM\_031159) 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:** >MC207229 representing NM\_031159  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGAGTTCGGAGACAGGCCCTGTAGCTGTTGATCCCACTCTGAGGAGAAGAATTGAGCCCCACGAGTTTG  
 AAGTCTTCTTTGACCCCCGGGAGCTTCGAAAGAGACCTGTCTGCTGTATGAGATCAACTGGGGTGAAG  
 GCACAGTGTCTGGCGACACACGACCCAAAACACCAGCAACCACGTTGAAGTCAACTTCTTAGAAAAATTT  
 ACTACAGAAAGATACTTTTCGTCCGAACACCAGATGCTCCATTACCTGGTTCCTGTCTGGAGTCCCTGCG  
 GGGAGTGTCTCCAGGGCCATTACAGAGTTTCTGAGCCGACACCCCTATGTAACCTCTGTTTATTTACATAGC  
 ACGGCTTTATCACCACACGGATCAGCGAAACCGCAAGGACTCAGGGACCTTATTAGCAGCGGTGTGACT  
 ATCCAGATCATGACAGAGCAAGAGTATTGTTACTGCTGGAGGAATTTTCGTCAACTACCCCTTCAAACG  
 AAGCTTATTGGCCAAGGTACCCCATCTGTGGGTGAACTGTATGTAAGTGGAGCTCTACTGCATCATTTT  
 AGGACTCCACCCTGTTTAAAAATTTTAAAGAAGAAAGCAACCTCAACTCACGTTTTTACAATTACTCTT  
 CAAACCTGCCATTACCAAAGGATACCACCCCATCTCCTTTGGGCTACAGGTTGAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031159  
**Insert Size:** 690 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031159.3</a> , <a href="#">NP_112436.1</a>
<b>RefSeq Size:</b>	2265 bp
<b>RefSeq ORF:</b>	690 bp
<b>Locus ID:</b>	11810
<b>UniProt ID:</b>	<a href="#">P51908</a>
<b>Cytogenetics:</b>	6 57.68 cM
<b>Gene Summary:</b>	<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 (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>