

Product datasheet for **RN210424**

Apobec3b (NM_001033703) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apobec3b (NM_001033703) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Apobec3b
Synonyms:	Apobec3; Apobec3f
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>NM_001033703 ORF sequence, RN210424 may differ due to SNPs. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGACCAAGTGTGCCTGGGATGCAGCCATCGCAGACCCTATTCACCGATCAGAAACCCGCTAAAGAAG
TTATATCAACAAACATTCTACTTTTCATTTAAGAACGTACGCTATGCCTGGGGTCGAAAGAATAAAGTTC
TTGTGCTATGAAGTGAATGGGATGGACTGCGCTTTACCTGTCCCCCTTCGCCAAGGGGTCTTCAGGAAA
CAGGGCCACATCCACGCCGAACCTGTGTTTCATATACTGGTCCACGACAAAGTCTGAGAGTGCTGTCC
CCGATGGAAGAGTTCAAGGTCAGTGGTACATGTCTGGAGCCCTGCAGCAAGTGCAGGAGCAGGTA
GCCAGGTTCTGGCCGCACCCGCAACCTAAGCCTGGCCATCTTCAGCTCCCGCTGTACTACTACTTA
AGGAACCCGAACTACCAGCAGAAGCTCTGCAGGCTGATTCAGGAAGGAGTCCACGTGGCTGCCATGGAC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Protein Sequence: MGPVCLGCSHRRPYSPIRNPLKKLYQQTFFYHFKNVRYAWGRKNNFLCYEVNGMDCALPVPLRQGVFRK
 QGHIHAELCFIYWFHDKVLRVLSPMEEFKVTWYMSWSPCKCAEQVARFLAAHRNLSLAIFSSRLYYL
 RNPNYQQKLCRLIQEGVHVAAMDLPFKKCNKFDVNDGQPPFRPWRRLRINF SFYDCKLQEIFSRMNL
 REDVFYLQFNNSHRVKPVQNRYYRKSILCYQLERANGQEPLKGYLLYKKGQHV EILFLEKMRSMELS
 QVRITCYLTWSPCPNARQLAAFKKDHPDLILRIYTSRLYFYWRKKFKQGLCTLWRSGIHDVMDLQF
 ADCWTFVNPQRPFRPWNELEKNSWRIQRRLRIKESWGL*
 TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Fully Sequenced ORF: >RN210424 representing NM_001033703
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGACCAGTGTGCCTGGGATGCAGCCATCGCAGACCCTATTCACCGATCAGAAACCCGCTAAGAAGT
 TATATCAACAAACATTCTACTTTTCAATTTAAGAACGTACGCTATGCCTGGGGTCGAAAGAATAACTTCTT
 GTGCTATGAAGTGAATGGGATGGACTGCGCTTTACCTGTCCCCCTCGCCAAGGGGTCTTCAGGAAACAG
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 TGGAAAGAGTTCAAGGTCACGTGGTACATGTCTGGAGCCCTGCAGCAAGTGCAGGAGCAGGTAGCCAG
 GTTCTGCGCCGACACCCGAACCTAAGCCTGGCCATCTTCAGCTCCCGCTGTACTACTTAAAGGAAC
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 CCTATCTGTGCTACCAACTGGAGCGGGCAATGGCCAAGAGCCACTCAAAGGCTACCTGTATACAAGAA
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 ACCTGCTACCTACCTGGAGCCCTGCCAAACTGTGCCCGCAACTCGCTGCATTCAAAAAGGATCACC
 CAGACCTAATTCTGCGGATCTATACCTCCCGCCTGATTTCTACTGGAGGAAGAAGTTCAGAAAGGGCT
 GTGACTCTGTGGCGATCAGGGATCCACGTGGACGTATGGACCTCCCTCAGTTTGTGACTGCTGGACA
 AACTTTGTGAACCCGCAAGGCCCTTAGGCCATGGAATGAACTGGAGAAAAACAGCTGGCGCATACAAA
 GCGCGCTCCGGAGGATCAAGGAGTCTGGGGCCTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001033703

Insert Size: 1158 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).

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_001033703.2](#)

RefSeq Size: 1756 bp

RefSeq ORF: 1158 bp

Locus ID: 315137

Cytogenetics: 7q34

MW: 46.8 kDa