

Product datasheet for **MG226390**

Apobec3 (NM_001160415) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apobec3 (NM_001160415) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Apobec3
Synonyms:	Apobec; Arp3; BC003314; Cem15; Rfv3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226390 representing NM_001160415 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACCATTCTGTCTGGGATGCAGCCATCGCAAATGCTATTCACCGATCAGAAACCTGATATCTCAAG
AAACATTCAGTTCCACTTTAAGAACCTAGGCTATGCCAAAGGCCGAAAGATACCTTCTGTGCTATGA
AGTGACTAGAAAGGACTGCGATTACCCGTCCTCCCTTACCATGGGGTCTTTAAGAACAAGGACAACATC
CAGCTGAAATCTGCTTTTTATACTGGTCCATGACAAAGTACTGAAAGTGTCTCCGAGAGAAGAGT
TCAAGATCACCTGGTATATGTCCTGGAGCCCTGTTTCGAATGTGCAGAGCAGATAGTAAGTTCTCTGGC
TACACACCACAACCTGAGCCTGGACATCTTCAGCTCCCGCTCTACAACGTACAGGACCCAGAAACCCAG
CAGAATCTTTCAGGCTGGTTCAGGAAGGAGCCAGGTGGCTGCCATGGACCTATACGAATTTAAAAAGT
GTTGGAAGAAGTTTGTGGACAATGGTGGCAGGCGATTACGGCCTTGAAAAGACTGCTTACAAATTTTAG
ATACCAGGATTCTAAGCTTCAGGAGATTCTGAGACCTTGCTACATCTCGGTCCCTTCCAGCTCTTCATCC
ACTCTGTCAAATATCTGTCTAACAAAAGGTCTCCAGAGACGAGGTTCTGGGTGGAGGCCAGCGCAATGG
ACCCGCTAAGTGAAGAGGAATTTACTCGCAGTTTTACAACCAACGAGTCAAGCATCTCTGCTACTACCA
CCGCATGAAGCCCTATCTATGCTACCAGCTGGAGCAGTTCAATGGCCAAGCGCCACTCAAAGGCTGCCTG
CTAAGCGAGAAAGGCAAACAGCATGCAGAAATCCTTCTTGTGATAAGATTTCGGTCCATGGAGCTGAGCC
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CAGAAGGGGCTGTGTTCTCTGTGCAATCAGGGATCCTGGTGGACGTCATGGACCTCCACAGTTTACTG
ACTGCTGGACAACTTTGTGAACCCGAAAAGGCCGTTTTGGCCATGGAAAGGATTGGAGATAATCAGCAG
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AACCTACAGCTTGGACCCCGATGTCT

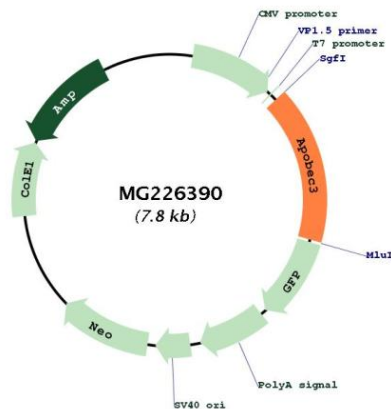
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001160415.1, NP_001153887.1</u>
RefSeq Size:	2459 bp
RefSeq ORF:	1290 bp
Locus ID:	80287
Cytogenetics:	15 37.85 cM
Gene Summary:	<p>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.</p> <p>[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MG226390