

Product datasheet for **SC332926**

APOBEC3B (NM_001270411) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: APOBEC3B (NM_001270411) Human Untagged Clone
Tag: Tag Free
Symbol: APOBEC3B
Synonyms: A3B; APOBEC1L; ARCD3; ARP4; bK150C2.2; DJ742C19.2; PHRBNL
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332926 representing NM_001270411.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAATCCACAGATCAGAAATCCGATGGAGCGGATGTATCGAGACACATTCTACGACAACCTTTGAAAAC
GAACCCATCCTCTATGGTCGGAGCTACACTTGGCTGTGCTATGAAGTGAAAATAAAGAGGGGCCGCTCA
AATCTCCTTTGGACACAGGGTCTTTTCGAGGCCAGGTGATTTCAAGCCTCAGTACCACGCAGAAATG
TGCTTCTCTCTTGGTTCTGTGGCAACCAGCTGCCTGCTTACAAGTGTTCCAGATCACCTGGTTTGTGTA
TCCTGGACCCCTGCCCGACTGTGTGGCAAGCTGGCCGAATTCCTGTCTGAGCACCCCAATGTCACC
CTGACCATCTCTGCCGCCGCTCTACTACTACTGGGAAAGAGATTACCGAAGGGCGCTCTCGAGGCTG
AGTCAGGCAGGAGCCCGGTGAAGATCATGGACTATGAAGAATTTGCATCTGCTGGGAAAACCTTTGTG
TACAATGAAGGTCAGCAATTCATGCCTTGGTACAAATTCGATGAAAATTATGCATTCTGCACCCGACG
CTAAAGGAGATTCTCAGATACCTGATGGATCCAGACACATTCACCTTTCACTTTAATAATGACCCCTTTG
GTCCTTCGACGGCCAGACCTACTTGTGCTATGAGGTGGAGCGCCTGGACAATGGCACCTGGGTCTG
ATGGACCAGCACATGGGCTTTCTATGCAACGAGTTGGACCCGGCCAGATCTACAGGGTCACTTGGTTC
ATCTCCTGGAGCCCCTGCTTCTCCTGGGGCTGTGCCGGGAAGTGCCTGCGTTCCCTCAGGAGAACACA
CACGTGAGACTGCGCATCTTCGCTGCCGCATCTATGATTACGACCCCTATATAAGGAGGCGCTGCAA
ATGCTGCGGGATGCTGGGGCCCAAGTCTCCATCATGACCTACGATGAGTTGAGTACTGCTGGGACACC
TTTGTGTACCGCCAGGGATGTCCTTCCAGCCCTGGGATGGACTAGAGGAGCACGCCAAGCCCTGAGT
GGGAGGCTGCGGGCCATTCTCCAGAATCAGGAAACTGA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001270411
Insert Size: 1074 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).



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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_001270411.1</u>
RefSeq Size:	1485 bp
RefSeq ORF:	1074 bp
Locus ID:	9582
UniProt ID:	<u>Q9UH17</u>
Cytogenetics:	22q13.1
MW:	43.1 kDa
Gene Summary:	<p>This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. A hybrid gene results from the deletion of approximately 29.5 kb of sequence between this gene, APOBEC3B, and the adjacent gene APOBEC3A. The breakpoints of the deletion are within the two genes, so the deletion allele is predicted to have the promoter and coding region of APOBEC3A, but the 3' UTR of APOBEC3B. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site at the 5' end of a coding exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p>