

Recombinant Full Length Human APOBEC3B Protein, GST-tagged

Cat. No. APOBEC3B-1143HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APOBEC3B full-length ORF (AAH53859.1, 1 a.a. - 251 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	251 amino acids
Description	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]
Molecular Mass	56.2 kDa
AA Sequence	MNPQIRNPME RMYRDTFYDN FENEPILYGR SYTWLCYEVK IKRGRSNLLW

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DTGVFRGQVY FEPQYHAEMC FLSWFCGNQL PAYKCFQITW FVSWTPCPDC
 VAKLAEFLSE HPNVTLTISA ARLYYYWERD YRRALCRLSQ AGARVKIMDY
 EEFAYCWENF VYNEGQQFMP WYKFDENYAF LHRTLKEILR LRIFSVAFTA
 AMRSCASWTW FLLCSWTRPR STGSLGSSPG APASPGAVPG KCVRSFRRTH T

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

[APOBEC3B](#) apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B [[Homo sapiens](#)]

Official Symbol

[APOBEC3B](#)

Synonyms

APOBEC3B; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B;
 probable DNA dC->dU-editing enzyme APOBEC-3B; FLJ21201; phorbolin 3;
 PHRBNL; probable DNA dC-> dU-editing enzyme APOBEC-3B; phorbolin 2;
 phorbolin-2/3; cytidine deaminase; phorbolin-1-related protein; ARP4; ARCD3;
 APOBEC1L; bK150C2.2; DJ742C19.2

Gene ID

[9582](#)

mRNA Refseq

[NM_004900](#)

Protein Refseq

[NP_004891](#)

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MIM	607110
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UniProt ID	Q9UH17
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