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
UniProt ID	Q9UH17

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