

Recombinant Human APOBEC3B protein, DYKDDDDK-tagged

Cat. No. APOBEC3B-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein from the full-length sequence of homo sapiens apolipoprotein B mRNA editing enzyme catalytic polypeptide like 3B (APOBEC3B), transcript variant 1 (NM_004900), with a DYKDDDDK tag, was expressed in HEK293.
Species	Human
Source	Human Cells
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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives.
Molecular Mass	45.7 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!

GENE INFORMATION

Gene Name	APOBEC3B apolipoprotein B mRNA editing enzyme catalytic subunit 3B [Homo sapiens (human)]
Official Symbol	APOBEC3B
Synonyms	A3B; APOBEC1L; ARCD3; ARP4; bK150C2.2; DJ742C19.2; PHRBNL
Gene ID	9582
mRNA Refseq	NM_004900
Protein Refseq	NP_004891
MIM	607110
UniProt ID	Q9UH17

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