

Recombinant Human APOBEC3G Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. APOBEC3G-4349H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	APOBEC3G MS Standard C13 and N15-labeled recombinant protein (NP_068594) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. The protein encoded by this gene catalyzes site-specific deamination of both RNA and single-stranded DNA. The encoded protein has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity.
Molecular Mass	46.4 kDa
AA Sequence	MKPHFRNTVERMYRDTFSYNFYNRPILSRRNTVWLCYEVKTKGPSRPPLDAKIFRG QVYSELKYHPEMRFFHWFSKWRKLRDQEYEV TWYISWSPCTKCTRDMATFLAED PKVTLTIFVARLYYFWDPDYQEALRSLCQKRDGPRATMKIMNYDEFQHCWSKFVYS QRELFEPWNNLPKYIILLHIMLGEILRHSMDPPTFTFNFNNEPWVRGRHETYLCEYV ERMHNDTWVLLNQRRGFLCNQAPHKHGFLEGRHAELCFDVIPIFWKLDLDQDYRV TCFTSWSPCFSCAQEMAKFISKNKHVSLCIFTARIYDDQGRCQEGLRTLAEAGAKISI

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MTYSEFKHCWDTFVDHQGCPFQPWDGLDEHSQDLSGRLRAILQNQENTRTRPLEQ
KLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [APOBEC3G apolipoprotein B mRNA editing enzyme catalytic subunit 3G \[Homo sapiens \(human\) \]](#)

Official Symbol [APOBEC3G](#)

Synonyms APOBEC3G; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G; DNA dC->dU-editing enzyme APOBEC-3G; bK150C2.7; CEM15; dJ494G10.1; FLJ12740; MDS019; DNA dC-> dU-editing enzyme APOBEC-3G; APOBEC-related protein 9; dU editing enzyme; phorbolin-like protein MDS019; APOBEC-related cytidine deaminase; apolipoprotein B mRNA editing enzyme cytidine deaminase; ARCD; ARP9; ARP-9; CEM-15;

Gene ID [60489](#)

mRNA Refseq [NM_021822](#)

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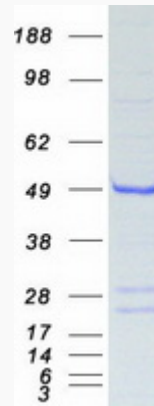
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Protein Refseq NP_068594

MIM 607113

UniProt ID Q9HC16

SDS-PAGE



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