

Recombinant Full Length Human APOBEC3G Protein, C-Flag-tagged

Cat. No. APOBEC3G-547HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human APOBEC3G Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian 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. 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.2 kDa
AA Sequence	MKPHFRNTVERMYRDTFSYNFYNRPILSRRNTVWLCYEVKTKGPSRPPLDAKIFRG QVYSELKYHPEMRF FHWFSKWRKLHRDQEYEV TWYISWSPCTKCTRDMATFLAE DPKVTLTIFVARLYYFWDPDYQEALRSLCQ KRDGPRATMKIMNYDEFQHCWSKFV YSQRELFEPWNNLPKYYILLHIMLGEILRHSM DPPTFTFNFNNEP WVRGRHETYLCY EVERMHNDTWVLLNQRRGFLCNQAPHKHGFLEGRHAELCFLDVIPFWKLDLDQDY

 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

RVT CFTSWSPCFSCAQEMAKFISK NKHVSLCIFTARIYDDQGRCQEGLRTLAEAGA
KISIMTYSEFKHCWDTF
VDHQGCPFQPWDGLDEHSQDLSGRLRAILQNQENTRTRPLEQKLISEEDLAANDILD
YKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	APOBEC3G apolipoprotein B mRNA editing enzyme catalytic subunit 3G [Homo sapiens (human)]
Official Symbol	APOBEC3G
Synonyms	A3G; ARCD; ARP9; ARP-9; CEM15; CEM-15; MDS019; bK150C2.7; dJ494G10.1
Gene ID	60489
mRNA Refseq	NM_021822.4

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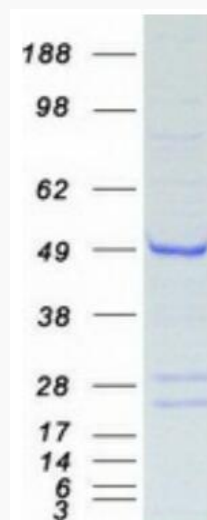
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Protein Refseq NP_068594.1

MIM 607113

UniProt ID Q9HC16



Coomassie blue staining of purified APOBEC3G protein.

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