

Product datasheet for TP306821

APOBEC3G (NM_021822) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G (APOBEC3G), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206821 protein sequence Red =Cloning site Green =Tags(s)

MKPHFRNTVERMYRDTFSYNFYNRPILSRRNTWVLCYEVKTKGSPRPLDAKIFRGQVYSELKYHPEMRF
FHWFSKWRKLRDQYEYVTWYISWSPCTKCTRDMATFLAEDPKVTLTIFVARLYYFWDPDYQALRSLCQ
KRDGPRATMKIMNYDEFQHCWSKFVYSQRELFEPWNNLPKYYILLHIMLGEILRHSMDPPTFTFNFNNEP
WVRGRHETYLCYEVERMHNDTWVLLNQRRGFLCNQAPHKHGFLEGRHAELCFLDVIPFWKLDLDDQDYRVT
CFTSWSPCFSCAQEMAKFISKKNKHVSLCIFTARIYDDQGRQCQEGLRTLAEAGAKISIMTYSEFKHCWDTF
VDHQGCPFPQWDGLDEHSQDLSGRLRAILQNQEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

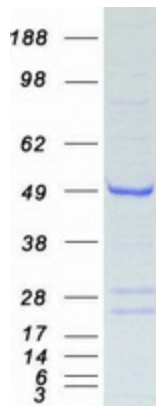
Tag:	C-Myc/DDK
Predicted MW:	46.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_068594



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Locus ID:	60489
UniProt ID:	Q9HC16
RefSeq Size:	1848
Cytogenetics:	22q13.1
RefSeq ORF:	1152
Synonyms:	A3G; ARCD; ARP-9; ARP9; bK150C2.7; CEM-15; CEM15; dJ494G10.1; MDS019
Summary:	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. [provided by RefSeq, Mar 2017]

Product images:



Coomassie blue staining of purified APOBEC3G protein (Cat# TP306821). The protein was produced from HEK293T cells transfected with APOBEC3G cDNA clone (Cat# [RC206821]) using MegaTran 2.0 (Cat# [TT210002]).