

Product datasheet for PH306821

APOBEC3G (NM_021822) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	APOBEC3G MS Standard C13 and N15-labeled recombinant protein (NP_068594)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206821
Predicted MW:	46.4 kDa
Protein Sequence:	>RC206821 protein sequence Red=Cloning site Green=Tags(s)
	MKPHFRNTVERMYRDTFSYNFYNRPILSRRNTVWLCYEVKTKGPSRPPLDAKIFRGQVYSELKYHPEMRF FHWFSKWRKLRDQEYEVWYISWSPCTKCTRDMATFLAEDPKVTLTIFVARLYYFWDPDYQEALRSLCQ KRDGPRATMKIMNYDEFQHCWSKFVYSQRELFEPWNNLPKYYILLHIMLGEILRHSMDPPTFTFNFNNEP WVRGRHETYLCEVERMHNDTWLLNQRGFLCNQAPHKHGFLEGRHAELCFLDVIPFWKLDLDQDYRVT CFTSWSPCFSCAQEMAKFISKKNKHVSLCIFTARIYDDQGRCEGLRTLAEAGAKISIMTYSEFKHCWDTF VDHQGCPFQPWDGLDEHSQDLGRLRAILQNQEN
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_068594
RefSeq Size:	1848
RefSeq ORF:	1152
Synonyms:	A3G; ARCD; ARP-9; ARP9; bK150C2.7; CEM-15; CEM15; dj494G10.1; MDS019
Locus ID:	60489



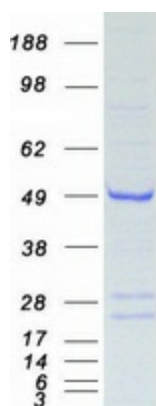
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UniProt ID: [Q9HC16](#)

Cytogenetics: 22q13.1

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]).