

Product datasheet for PH320995

APOBEC3A (NM_145699) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	APOBEC3A MS Standard C13 and N15-labeled recombinant protein (NP_663745)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220995
Predicted MW:	22.8 kDa
Protein Sequence:	>RC220995 representing NM_145699 Red =Cloning site Green =Tags(s) MEASPASGPRHLMDFHIFTSNFNNGIGRHKTYLCYEVEERLDNGTSVKMDQHRGFLHNQAKNLLCGFYGRH AELRFLDLVPSLQLDPAQIYRVTFISWSPCFSWGCAGEVRAFLQENTHVRLRIFAARIYDYDPLYKEAL QMLRDAGAQVSIIMTYDEFKHCWDTFVDHQGCPFPWDGLDEHSQALSGRLRAILQNQGN TR TRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<u>NP_663745</u>
RefSeq Size:	1349
RefSeq ORF:	597
Synonyms:	A3A; ARP3; bK150C2.1; PHRBN
Locus ID:	200315
UniProt ID:	<u>P31941</u> , <u>A0A0K0MJ49</u>

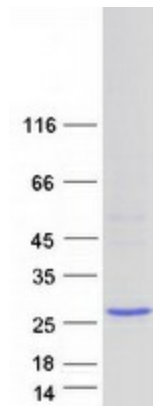


[View online »](#)

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 lacks the zinc binding activity of other family members. The protein plays a role in immunity, by restricting transmission of foreign DNA such as viruses. One mechanism of foreign DNA restriction is deamination of foreign double-stranded DNA cytidines to uridines, which leads to DNA degradation. However, other mechanisms are also thought to be involved, as anti-viral effect is not dependent on deaminase activity. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2012]

Product images:



Coomassie blue staining of purified APOBEC3A protein (Cat# [TP320995]). The protein was produced from HEK293T cells transfected with APOBEC3A cDNA clone (Cat# [RC220995]) using MegaTran 2.0 (Cat# [TT210002]).