

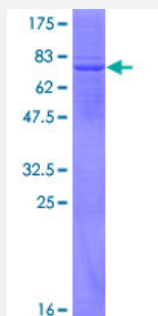
Full-Length

APOBEC3G (Human) Recombinant Protein (P01)

Catalog # H00060489-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human APOBEC3G full-length ORF (AAH24268.1, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKPHFRNTVERMYRDTFSYNFYNRPILSRRNTVWLCYEVKTKGPSRPPLDAKIFRGQVYSELKYHP
EMRFFHWFSKWRKLHRDQEYEVTVYISWSPCTKCTRDMATFLAEDPKVTLTIFVARLYYFWDPD
YQEALRSLCQKRDGPRATMKIMNYDEFQHCWSKFVYSQRELFEPWNNLPKYILLHIMLGEILRHS
MDPPTFTFNFNNEPWVRGRHETLYCYEVERMHNDTWVLLNQRRGFLCNQAPHKHGFLGRHAE
LCFLDVIPFWKLDLDQDYRVTCFTSWSPCFSCAQEMAKFISKKNKHVSLCIFTARIYDDQGRCQEG
LRTLAEAGAKISIMTYSEFKHCWDTFVDHQGCPFPQPDGLDEHSQDLSGRLRAILQNQEN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.8

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — APOBEC3G

Entrez GeneID [60489](#)

GeneBank Accession# [BC024268.1](#)

Protein Accession# [AAH24268.1](#)

Gene Name APOBEC3G

Gene Alias ARP9, CEM15, FLJ12740, MDS019, bK150C2.7, dJ494G10.1

Gene Description apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G

Omim ID [607113](#)

Gene Ontology [Hyperlink](#)

Gene 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. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. The protein encoded by this gene has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity. [provided by RefSeq]

Other Designations DNA dC->dU editing enzyme|OTTHUMP00000028911|phorbolin-like protein MDS019

Pathway

- [Atrazine degradation](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Liver Cirrhosis](#)