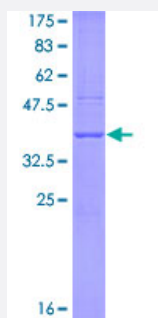


APOBEC3G (Human) Recombinant Protein (Q01)

Catalog # H00060489-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human APOBEC3G partial ORF (NP_068594, 80 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LHRDQEYEV TWYISWSPCTKCTRDMATFLAEDPKVTLTIFVARLYYFWDPDYQEALRSLCQKRDG PRATMKIMNYDEFQHCWSKFVYSQRELFEPWNNLPKY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.96
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# [NM_021822](#)

Protein Accession# [NP_068594](#)

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](#)