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Human APOBEC3G Recombinant Protein Expressed in vitro *E. coli* expression system

Cat: MPYF-0722-KX39

This product is for research use only and is not intended for diagnostic use.

This product is a Human APOBEC3G recombinant protein expressed in vitro *E. coli* expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Target Protein	APOBEC3G
Species	Human
Protein Class	Virus-host interaction
Molecular Weight	62.4 kDa

Product Description

Expression Systems	in vitro *E. coli* expression system
Protein Tag	6xHis-SUMO tag at the N-terminus
Protein Length	Full Length
Protein Form	Soluble
Form	LYOPH
Reconstitution	Please see Certificate of Analysis for specific instructions.
Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Purity	>85% as determined by SDS-PAGE
Storage	Aliquot and store at -20°C or lower. For long term storage, we recommend to store a t -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein	APOBEC3G
Full Name	Apolipoprotein B mRNA editing enzyme catalytic subunit 3G
Introduction	This gene is a member of the cytidine deaminase gene family. It is one of seven rel ated genes or pseudogenes found in a cluster, thought to result from gene duplicati on, on chromosome 22. Members of the cluster encode proteins that are structurally

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	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.
Alternative Names	A3G; ARCD; ARP9; ARP-9; CEM15; CEM-15; MDS019; bK150C2.7; dJ494G10.1; DNA dC->dU-editing enzyme APOBEC-3G; APOBEC-related cytidine deaminase; APOBEC-related protein 9; DNA dC->dU editing enzyme; apolipoprotein B editing enzyme catalytic polypeptide-like 3G; apolipoprotein B mRNA editing enzyme cytidine deaminase; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G; apolipoprotein B mRNA-editing enzyme catalytic polypeptide 3G; deoxycytidine deaminase; phorbolin-like protein MDS019
Gene ID	60489
UniProt ID	Q9HC16

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