



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Human APOBEC3G HA Expression Vector (pcDNA3.1-APOBEC3G-HA)

Catalog Number: 9952

Lot Number: 170197

Release Category: E

Provided: 5 µg of dried purified DNA stabilized in DNastable *PLUS*

Cloning Site: XhoI/EcoRI cloning site
The size of the insert is 1251 bp.

Cloning Vector: pcDNA3.1(-)
Ampicillin resistant

Description: An expression vector which produces human APOBEC3G protein with a C-terminal triple HA tag.

Special Characteristics: This construct is 6677 bp including the insert.
This plasmid expresses APOBEC3G-HA derived from the retroviral expression vector pNG/C15 (from the laboratory of Michael Malim). Expression of APOBEC3G-HA is constitutive and under control of the CMV immediate early promoter.
This expression vector for APOBEC3G is useful for transient expression in HEK 293 and HEK 293T cells. The C-terminal triple HA tag works well in immunoblotting and immunoprecipitation.
[Plasmid map and sequence file](#)
This reagent is currently being provided as dried purified DNA stabilized in DNastable *PLUS*. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: Dr. Warner C. Greene

References: A. M. Sheehy, N. C. Gaddis, J. D. Choi and M. H. Malim. (2002). Isolation of a human gene that inhibits HIV-1 infection and is suppressed by the viral Vif protein. *Nature*, 418(6898), 646-50. doi:10.1038/nature00939 [PUBMED](#)

K. Stopak, C. de Noronha, W. Yonemoto and W. C. Greene. (2003). HIV-1 Vif blocks the antiviral activity of APOBEC3G by impairing both its translation and intracellular stability. *Mol Cell*, 12(3), 591-601. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human APOBEC3G HA Expression Vector (pcDNA3.1-APOBEC3G-HA) from Dr. Warner C. Greene." Also include the reference cited above in any publications.

Recipient must not use or incorporate the reagent for commercial purposes.

Last Updated: October 22, 2019

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