



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:	042043
Release Category:	E
Provided:	6 µg of dried purified DNA stabilized in DNastable <i>PLUS</i>
Cloning Site:	The insert was excised from expression vector pNG/C15 (Malim Lab), by cutting with <i>Xho</i> I (5') and <i>Eco</i> RI (3'). It was inserted into the corresponding sites of pcDNA 3.1 (-). The size of the APOBEC3G-HA insert is ~1.7 kb.
Cloning Vector:	The cloning vector is pcDNA 3.1 (-) (Invitrogen). The size of the cloning vector including the insert is ~ 7.1 kb.
Description:	pcDNA3.1-APOBEC3G-HA expresses APOBEC3G/CEM15 with a C-terminal triple HA tag in mammalian cells.
Special Characteristics:	<p>The insert was 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.</p> <p>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.</p> <p>Plasmid map and sequence file lot 042043.</p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNastable <i>PLUS</i>. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice</p>
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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.

Contributor: Dr. Warner C. Greene

References: Stopak K, de Noronha C, Yonemoto W, Greene WC. HIV-1 Vif blocks the antiviral activity of APOBEC3G by impairing both its translation and intracellular stability. *Mol Cell* **12**:591-601, 2003. Sheehy AM, Gaddis NC, Choi JD, Malim MH. Isolation of a human gene that inhibits HIV-1 infection and is suppressed by the viral Vif protein. *Nature* **8**:646-650, 2002.

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: March 14, 2018

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