



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Mouse APOBEC3G HA Expression Vector (pc-Mu-APOBEC3G-HA)

**Catalog Number:** 10021

**Lot Number:** 050781

**Release Category:** C

**Provided:** 2 µg of dried purified DNA stabilized in DNASTable *PLUS*

**Cloning Site:** *EcoRI* and *XhoI* cloning site. The size of the insert is approximately 1320 bp.

**Cloning Vector:** The cloning vector is pcDNA3.1(+)

**Description:** RNA was prepared from C57BL/6 mouse spleen. cDNA was synthesized with Superscript II reverse transcriptase (Invitrogen) primed by oligo dT (Invitrogen). The plasmid expresses Mu-APOBEC3G under the control of a CMV promoter and contains a C-terminal HA epitope tag (see Mariani R, et al. for details). Note that the plasmid can be transformed in HB101 cells and better plasmid yield could be obtained if the bacteria is grown using the chloramphenicol amplification step. Resistance marker is ampicillin.

[Click here to see the sequence file](#)

**Special Characteristics:** This construct is 6630 bp including the insert.  
Cloning Strategy: The cloning vector is pcDNA3.1(+).  
[Sequence file lot 050781](#)  
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](#)

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

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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. Nathaniel Landau

**References:** Mariani R, Chen D, Schrofelbauer B, Navarro F, Konig R, Bollman B, Munk C, Nymark-McMahon H, Landau NR. Species-specific exclusion of APOBEC3G from HIV-1 virions by Vif. *Cell* **114**:21-31, 2003.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Mouse APOBEC3G HA Expression Vector (pc-Mu-APOBEC3G-HA) from Dr. Nathaniel Landau (cat# 10021)." Also include the reference cited above in any publications.

**Requests from commercial organizations must be directed to the New York University Office of Industrial Liaison at the following email address:**  
[sadhana.chitale@nyumc.org](mailto:sadhana.chitale@nyumc.org).

**Last Updated:** September 26, 2018

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