



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: pcDNA3.1-mAPOBEC3G-V5-6XHis (murine APOBEC3G)

Catalog Number: 10098

Lot Number: 040904

Release Category: A

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

Cloning Site: TOPO Cloning Technology was used following manufacturer's instruction (Invitrogen Corp). The size of the insert is 1290 bp.

Cloning Vector: The cloning vector is pcDNA3.1D/V5-His-Topo. The size of the cloning vector including the insert is 7204 bp.

Description: The cloning insert was obtained from Open Biosystems (Huntsville, AL). Insert for murine APOBEC3G was cloned into mammalian expression vector pcDNA3 with a V5 epitope tag from SV5 paramyxovirus and a polyhistidine epitope at the C terminus. Plasmid DNA was transfected into 293T cells and expression of murine APOBEC3G was detected with with a monoclonal anti-V5 antibody. Expression of murine APOBEC3G is driven by the CMV promoter.

Special Characteristics: [Plasmid map and sequence file lot 040904](#)
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.

Contributor: Drs. B. Matija Peterlin and Yong-Hui Zheng

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.

References: Yong-Hui Zheng, Dan Irwin, Takeshi Kurosu, Kenzo Tokunaga, Tetsutaro Sata and B. Matija Peterlin. Human APOBEC3F Is Another Host Factor That Blocks Human Immunodeficiency Virus Type 1 Replication. *J. Virology* **78**:6073-6076, 2004.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pcDNA3.1-mAPOBEC3G-V5-6XHis (murine APOBEC3G) from Drs. B. Matija Peterlin and Yong-Hui Zheng." Also include the reference cited above in any publications.

Last Updated: February 02, 2017

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.