



## 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:** Human APOBEC3G V5 His Expression Vector

**Catalog Number:** 10102

**Lot Number:** 040908

**Release Category:** A

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

**Cloning Site:** TOPO TA cloned  
The size of the insert is 1152 bp.

**Cloning Vector:** pcDNA3.1D/V5-His-Topo  
Ampicillin and neomycin resistant

**Description:** The cloning insert was obtained from Open Biosystems (Huntsville, AL). Insert for human 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 human APOBEC3G was detected with with a monoclonal anti-V5 antibody. Expression of human APOBEC3G is driven by the CMV promoter.

**Special Characteristics:** This construct is 6665 bp including the insert.  
GenBank Accession #: [BC024268](#)  
[Plasmid map and sequence file lot 040908](#)  
Alternate names: pcDNA3.1-APOBEC3G-V5-6XHis  
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:** Drs. B. Matija Peterlin and Yong-Hui Zheng

**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: Human APOBEC3G V5 His Expression Vector from Drs. B. Matija Peterlin and Yong-Hui Zheng (cat# 10102)." Also include the reference cited above in any publications.

**Last Updated:** July 03, 2018

---

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.