



## NIH AIDS Reagent Program

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### DATA SHEET

Reagent: Human APOBEC1 V5 His Expression Vector

Catalog Number: 10103

Lot Number: 040909

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 708 bp.

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

Description: The cloning insert was obtained from Dr. N. O. Davidson (Washington University, St Louis, MO). Insert for human APOBEC1 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 APOBEC1 was detected with a monoclonal anti-V5 antibody. Expression of human APOBEC1 is driven by the CMV promoter.

Special Characteristics: This construct is 6,221 bp including the insert.  
GenBank Accession #: [L26234](#)  
[Plasmid map and sequence file lot 040909](#)  
Alternate names include: pcDNA3.1-APOBEC1-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](#)

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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.

**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 APOBEC1 V5 His Expression Vector from Drs. B. Matija Peterlin and Yong-Hui Zheng (cat# 10103)." Also include the reference cited above in any publications.

**Last Updated:** July 03, 2018

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