



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Human APOBEC3C V5 His Expression Vector

Catalog Number: 10101

Lot Number: 040907

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 573 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 APOBEC3C 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 APOBEC3C was detected with with a monoclonal anti-V5 antibody. Expression of human APOBEC3C is driven by the CMV promoter.

Special Characteristics: This construct is 6083 bp including the insert.
The plasmid was amplified in HB 101 competent cells (Invitrogen Corp.).
[Plasmid map and sequence file lot 040907](#)
Alternate names include: pcDNA3.1-APOBEC3C-V5-6XHis
Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C.
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.

or 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

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 APOBEC3C V5 His Expression Vector from Drs. B. Matija Peterlin and Yong-Hui Zheng (cat# 10101)." Also include the reference cited above in any publications.

Last Updated: July 26, 2018

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