



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Human APOBEC3G Myc His Expression Vector

Catalog Number: 10002

Lot Number: 040594

Release Category: A

Provided: 1 ml transformed DH5a containing 0.8 ml of bacterial culture plus 0.2 ml glycerol.

Cloning Site: *Xho* I-5' and *Sfu* I-3' cloning sites. The size of the insert is 1152 bp.

Cloning Vector: The cloning vector is pcDNA3.1/Myc-HisC (Invitrogen). The size of the cloning vector including the insert is 6652 bp.

Description: The coding sequence of human APOBEC3G was cloned by RT-PCR using total RNA from H9 cells. The 1152 bp fragment was cloned into the vector with the Myc and 6XHis epitopes encoded at the C-terminus of APOBEC3G. The expression is driven by the CMV promoter.

Special Characteristics: Cloning Strategy: The cloning vector is pcDNA3.1/Myc-HisC (Invitrogen).
[Human APOBEC3G Sequence](#)
Alternate name: pcDNA3.1 Human APOBEC3G-Myc-6XHis

Recommended Storage: -70°C.

Contributor: Dr. David Kabat.

References: Marin M, Rose KM, Kozak SL, Kabat D. HIV-1 Vif protein binds the editing enzyme APOBEC3G and induces its degradation. *Nat Med* **9**:1398-1403, 2003.

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.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human APOBEC3G Myc His Expression Vector from Dr. David Kabat (cat# 10002)." Also include the reference cited above in any publications.

Last Updated:

June 04, 2018

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