



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Human APOBEC3F V5 His Expression Vector

Catalog Number: 10100

Lot Number: 170207

Release Category: A

Provided: 5 µg of dried purified DNA stabilized in DNASTable *Plus*

Cloning Site: TOPO TA cloned
The size of the insert is 1256 bp.

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

Description: An expression vector which produces human APOBEC3F protein with a V5 tag and a poly-His tag at the C terminus.

Special Characteristics: This construct is 6632 bp including the insert.
This plasmid expresses APOBEC3F derived from cDNA provided by Open Biosystems (Huntsville, AL). Expression of APOBEC3F is driven by the CMV promoter.
Genbank #: [KC329530.1](#)
[Plasmid map and sequence file](#)
Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.
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](#)
Alternate names include: pcDNA3.1 APOBEC3F V5 CMV His

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.

Alternate names include: pCDNA3.1-APOBEC3F-V5-HIS

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:

Y. H. Zheng, D. Irwin, T. Kurosu, K. Tokunaga, T. Sata and B. M. Peterlin. (2004). Human APOBEC3F is another host factor that blocks human immunodeficiency virus type 1 replication. *J Virol*, 78(11), 6073-6. doi:10.1128/JVI.78.11.6073-6076.2004 [PUBMED](#)

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human APOBEC3F V5 His Expression Vector from Drs. B. Matija Peterlin and Yong-Hui Zheng." Also include the reference cited above in any publications.

Last Updated:

June 21, 2018

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