



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Human APOBEC3F V5 His Expression Vector
<b>Catalog Number:</b>	10100
<b>Lot Number:</b>	040906
<b>Release Category:</b>	A
<b>Provided:</b>	2.0 µg plasmid DNA in 2.0 µl TE buffer. The plasmid was amplified in HB 101 competent cells (Invitrogen Corp).
<b>Cloning Site:</b>	TOPO Cloning Technology was used following manufacture's instruction (Invitrogen Corp). The size of the insert is 1256 bp.
<b>Cloning Vector:</b>	The cloning vector is pcDNA3.1D/V5-His-Topo. The size of the cloning vector including the insert is 6632 bp.
<b>Description:</b>	The cloning insert was obtained from Open Biosystems (Huntsville, AL). Insert for human APOBEC3F 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 APOBEC3F was detected with with a monoclonal anti-V5 antibody. Expression of human APOBEC3F is driven by the CMV promoter.
<b>Special Characteristics:</b>	<a href="#">Plasmid map and sequence file lot 040906</a>
<b>Recommended Storage:</b>	Keep the reagent at -20°C or lower. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	Drs. B. Matija Peterlin and Yong-Hui Zheng
<b>References:</b>	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. <i>J. Virology</i> <b>78</b> :6073-6076, 2004.

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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.

**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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