



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	APOBEC3G+ HeLa Cells
<b>Catalog Number:</b>	9907
<b>Lot Number:</b>	110233
<b>Release Category:</b>	C
<b>Provided:</b>	5.0 x 10 <sup>6</sup> cells/vial. Viability = 93%.
<b>Cell Type:</b>	HeLa cells were transfected with pcDNA3.1-Apo3G.
<b>Propagation Medium:</b>	DMEM, 90%; FBS, 10%; supplemented with glutamine, pen/strep and 400 µg/ml of G418.
<b>Freeze Medium:</b>	DMEM, 72.5%; FBS, 20%; DMSO, 7.5%.
<b>Growth Characteristics:</b>	Adherent cell line. Confluent cultures are split 1:100 by trypsinization. Cells grow in a monolayer.
<b>Morphology:</b>	Typical brick-shaped HeLa cell morphology.
<b>Sterility:</b>	Negative for bacteria, mycoplasma, and fungi.
<b>Description:</b>	HeLa cells that express human APOBEC3G
<b>Special Characteristics:</b>	Production of infectious HIV-1 from these cells is Vif-dependent.
<b>Recommended Storage:</b>	Liquid nitrogen.

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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.

**Contributor:** Drs. Klaus Strebel and Eri Miyagi.

**References:** Kao S., Miyagi E., Buckler-White A., Strebel K. The human immunodeficiency virus type 1 Vif protein reduces intracellular expression and inhibits packaging of APOBEC3G (CEM15), a cellular inhibitor of virus infectivity. *J. Virol.* **77**: 11398-11407, 2003.  
[Abstract](#)

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: APOBEC3G+ HeLa Cells from Drs. Klaus Strebel and Eri Miyagi."

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NIH Office of Technology Transfer, Email: [NIAIDAIDSReagent@niaid.nih.gov](mailto:NIAIDAIDSReagent@niaid.nih.gov), before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**

**Last Updated** July 03, 2018

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