



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Human APOBEC3B HA Expression Vector

**Catalog Number:** 11090

**Lot Number:** hApo3B+3xHA

**Release Category:** C

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

**Cloning Site:** KpnI/XhoI cloning site  
The size of the insert is 1264 bp.

**Cloning Vector:** pcDNA3  
Ampicillin and neomycin resistant

**Description:** It contains a 1264 bp kpnI/xhoI insert encoding the human APOBEC3B gene linked to 3 HA-tags.

**Special Characteristics:** This construct is 6,629 bp including the insert.  
It is a cytidine deaminase which inhibits HIV-1 and is not Vif sensitive.  
HindIII site is immediately 5' to the KpnI site (5'-GGTACC-3') in the cloning vector and can also be used to excise this cDNA.  
[Plasmid map and sequence file lot hApo3B+3xHA](#)  
Alternate names: phAPOBEC3B-HA  
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](#)

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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.

**Recommended Storage:** Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

**Contributor:** Dr. Bryan R. Cullen

**References:** Doehle B.P., Schäfer A., Wiegand H.L., Bogerd H.P. and Cullen B.R. Differential sensitivity of murine leukemia virus to APOBEC3-mediated inhibition is governed by virion exclusion. *J. Virology* **79**: 8201-8207, 2005.

Doehle B.P., Schäfer A. and B.R. Cullen. Human APOBEC3B is a potent inhibitor of HIV-1 infectivity and is resistant to HIV-1 Vif. *Virology* **339**: 281-8, 2005.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human APOBEC3B HA Expression Vector (cat# 11090) from Dr. Bryan R. Cullen." Also include the references cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the Dr. Bryan R. Cullen at the following email address: [culle002@mc.duke.edu](mailto:culle002@mc.duke.edu), before the reagent can be released.**

**Last Updated:** February 27, 2018

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