



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** pcDNA3.1-AID-V5-6XHis

**Catalog Number:** 10099

**Lot Number:** 040905

**Release Category:** A

**Provided:** 2 µg of dried purified DNA stabilized in DNASTable *PLUS*

**Cloning Site:** TOPO TA cloned  
The size of the insert is 597 bp.

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

**Description:** The cloning insert was obtained from Open Biosystems (Huntsville, AL). Insert for human Activation-induced (cytidine) deaminase (AID) 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 AID was detected with a monoclonal anti-V5 antibody. Expression of human AID is driven by the CMV promoter.

**Special Characteristics:** This construct is 6107 bp including the insert.  
[Plasmid map and sequence file lot 040905](#)  
GenBank Accession #: [BT007402](#)  
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](#)

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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:** Drs. B. Matija Peterlin and Yong-Hui Zheng

**References:** 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. *J. Virology* **78**:6073-6076, 2004.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pcDNA3.1-AID-V5-6XHis from Drs. B. Matija Peterlin and Yong-Hui Zheng." Also include the reference cited above in any publications.

**Last Updated:** January 30, 2018

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