



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Human TRIM5a HA Expression Vector

**Catalog Number:** 10074

**Lot Number:** 060771

**Release Category:** C

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

**Cloning Site:** The insert is cloned between the EcoRI and ClaI sites. The EcoRI site lies at the 5'-end of the insert and the ClaI site at the 3'-end. The size of the insert is approximately 1.5 kb.

**Cloning Vector:** The cloning vector is pLPCX (available from Clontech). pLPCX is an MLV retroviral vector. It contains a puromycin resistance gene and expression of TRIM5a is driven by the CMV promoter. The size of the vector containing the insert is approximately 6.8 kb. pLPCX is ampicillin resistant.

**Description:** The human TRIM5a open reading frame was amplified from a kidney cDNA library (Clontech). The predicted sequence of the TRIM5a differs in three amino acid residues from NCBI RefSeq NM-033034 (this sequence contains an isoleucine at position 76, a leucine at position 130, and a glutamine at position 136).

**Special Characteristics:** The primers used for cloning HA-tagged Human TRIM5a into pLPCX are:

Forward:  
gcggaattcgccaccATGTACCCATACGA  
CGTCCCAGACTACGCTGGCGGCgcttctggaatcctggttaatgtaaag

Reverse:  
ccatcgatggcTCAAGCGTAGTCTGGGAC GTCGTATGGGTAGCCGCCagagcttgtagcacagagtcag

[Plasmid map and sequence file lot 060771](#)

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.

Alternate names include: pLPCX-TRIM5 $\alpha$ <sub>hU</sub>-HA (human)

**Recommended Storage:**

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

**Contributor:**

Drs. Joseph Sodroski and Matt Stremlau

**References:**

Stremlau, M et al. The cytoplasmic body component TRIM5 $\alpha$  restricts HIV-1 infection in Old World monkeys. *Nature* **427**: 848-853, 2004

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human TRIM5 $\alpha$  HA Expression Vector from Drs. Joseph Sodroski and Matt Stremlau (cat# 10074)." Also include the reference cited above in any publications. **Scientists at for-profit institutions or who intend commercial use of this reagent must contact Nancy Grodin at email address [nancy.grodin@dfci.harvard.edu](mailto:nancy.grodin@dfci.harvard.edu) and specify in the email the name of the reagent and a description of the intended use of the reagent. Patent Pending.**

**Last Updated:**

July 11, 2018

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