



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** HIV-1 Consensus Nef His Expression Vector

**Catalog Number:** 3298

**Lot Number:** 99022

**Release Category:** C

**Provided:** One vial of transformed STBL-3 (*E. coli*) cells (glycerol stock).

**Cloning Site:** NdeI to PstI.

**Cloning Vector:** pT7-7 (from Stan Tabor).

**Description:** Confers ampicillin resistance. The artificially generated consensus nef gene was derived from analysis of 54 HIV-1 patient isolates using overlapping PCR amplification. The full-length nef gene was cloned into the NdeI-PstI site of pT7-7 (from Stan Tabor), and is expressed using a T7 RNA polymerase promoter.

[Plasmid Map](#)

[Sequence](#)

**Special Characteristics:** The full-length nef gene is expressed using a T7 RNA polymerase promoter. The Nef protein produced contains six additional C-terminal histidines to allow affinity purification using an NTA column.

**Contributor:** Dr. Ron Swanstrom, University of North Carolina at Chapel Hill, Lineberger Cancer Center.

**References:** Shugars DC, Smith MS, Glueck DH, Nantermet PV, Seillier-Moisewitsch F, Swanstrom J R. *J Virol* **67**:4639-4650, 1993.

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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 AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 Consensus Nef His Expression Vector from Dr. Ron Swanstrom (cat# 3298)." Also include the reference cited above in any publications.

**Last Updated:**

December 06, 2018

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