

Human Immunodeficiency Virus Type 1 (HIV-1) Infectious Molecular Clone, pAD17

Catalog No. HRP-12423

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Note: The item name on the vial label should be HIV-1 pAD17 Infectious Molecular Clone.

HRP-12423 is a full-length molecular clone of replication-competent human immunodeficiency virus type 1 (HIV-1) subtype B provirus generated from single genome amplification-derived consensus sequence of transmitted/founder virus. Insert was cloned at *MluI/NotI* restriction sites in pCR-XL-TOPO vector.¹ HRP-12423 is 13,096 base pairs and contains a kanamycin resistance marker for transformant selection. The plasmid sequence and map are provided on the BEI Resources webpage.

Material Provided:

Each vial contains plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0). The DNA concentration and volume provided are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening. **Note:** The contents of the vial should be used to replicate the plasmid in *E. coli* prior to expression studies.

Packaging/Storage:

HRP-12423 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -80°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Human Immunodeficiency Virus Type 1 (HIV-1) Infectious Molecular Clone, pAD17, HRP-12423."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

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References:

1. Parrish, N. F., et al. "Phenotypic Properties of Transmitted Founder HIV-1." *Proc. Natl. Acad. Sci. U.S.A.* 110 (2013): 6626-6633. PubMed: 23542380.

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