



## Product Information Sheet for HRP-20101

### Simian Immunodeficiency Virus Infectious Molecular Clone, pSIVagmVer90 (5387-TF)

#### Catalog No. HRP-20101

This reagent is the tangible property of the U.S. Government.

**For research use only. Not for use in humans.**

#### Contributor and Manufacturer:

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#### Product Description:

HRP-20101 is a full-length, infectious molecular clone of the simian immunodeficiency virus (SIV), SIVagmVer90-5387 transmitted/founder (T/F).<sup>1,2</sup> SIVagmVer90-5387 T/F was generated by using the Env clone from peripheral blood mononuclear cells (PBMC) isolated from the vervet species of an African green monkey (AGM), AG5387, after intrarectally inoculated with SIVagmVer90 and is available through NIH HIV Reagent Program (HRP-20133). The virus is reported to be infectious *in vitro* in rhesus macaque and AGM PBMC but has not been evaluated for *in vivo* infectivity.<sup>1</sup> The plasmid encodes full-length, replication-competent virus in a pUC19 vector backbone. The ampicillin resistance gene, *bla*, provides transformant selection through ampicillin resistance in *Escherichia coli* (*E. coli*). The pSIVagmVer90 (5387-TF) insert is approximately 11,000 base pairs and the resulting size of the plasmid is approximately 12,500 base pairs. The plasmid sequence and map (provided by the depositor) are on the NIH HIV Reagent Program webpage.

#### Material Provided:

Each vial contains plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA). 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 transform the plasmid in *E. coli* prior to mammalian expression.

#### Packaging/Storage:

HRP-20101 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -80°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, NIAID, NIH: Simian Immunodeficiency Virus Infectious Molecular Clone, pSIVagmVer90 (5387-TF), HRP-20101, contributed by Dr. Vanessa M. Hirsch."

#### 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 \(BMBL\)](#), 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

#### Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.hivreagentprogram.org](http://www.hivreagentprogram.org).

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#### References:

1. Hirsch V. M., Personal Communication.
2. Riddick, N., et al. "Simian Immunodeficiency Virus SIVagm Efficiently Utilizes Non-CCR5 Entry Pathways in African Green Monkey Lymphocytes: Potential Role for GPR15 and CXCR6 as Viral Coreceptors." *J. Virol.* 90 (2016): 2316-2331. PubMed: 26656714.

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#### NIH HIV Reagent Program

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