



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	SS1196.1, clone 1 (SVPB9)
<b>Catalog Number:</b>	11020
<b>Lot Number:</b>	060491
<b>Release Category:</b>	B
<b>Provided:</b>	13.8 µg of dried purified DNA stabilized in DNastable <i>PLUS</i>
<b>Cloning Vector:</b>	pcDNA3.1D/V5-His TOPO®. The size of the cloning vector including the insert is 8064 bp.
<b>Cloning Site:</b>	The entire HIV-1 env/rev cassette was directly inserted into the cloning site of pcDNA3.1D/V5-His TOPO® expression vector, in the correct orientation with the CMV promoter. The size of the insert is 2550 bp.
<b>Description:</b>	A PCR fragment containing full-length env and rev genes was derived from the genomic DNA of infected PBMC. Original virus was obtained by PBMC co-culture. The env/rev cassette was cloned into pcDNA3.1D/V5-His TOPO® expression vector by a T/A cloning approach. A single transformed ampicillin resistant <i>E. coli</i> colony was selected and expanded. Recombinant plasmid carries resistance genes for ampicillin and neomycin.
<b>Special Characteristics:</b>	<p>The clone represents env/rev sequences from a subject with early subtype B infection (male-male transmission in the USA). The clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions that use CCR5 as the viral co-receptor. SS1196.1 Env containing pseudovirions are highly sensitive to a variety of V3-specific neutralizing antibodies.</p> <p><a href="#">Sequence file lot 060491</a></p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNastable <i>PLUS</i>. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. <a href="#">Dried DNA Notice</a></p>
<b>Recommended Storage:</b>	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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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.

**Contributor:** Dr. David Montefiori and Dr. Feng Gao

**References:** Li, M., Gao F., Mascola J.R., Stamatatos L., Polonis V.R., Koutsoukos M., Voss G., Goepfert P., Gilbert P., Greene K.M., Bilska M., Kothe D.L., Salazar-Gonzalez J.F., Wei X., Decker J.M., Hahn B.H., and Montefiori D.C. Human immunodeficiency virus type 1 env clones from acute and early subtype B infections for standardized assessments of vaccine-elicited neutralizing antibodies. *J. Virology* **79**(16): 10108-10125, 2005.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from Dr. David Montefiori and Dr. Feng Gao: SS1196, clone 1 (SVPB9) (cat# 11020)." Also include the reference cited above in any publications.

**Last Updated:** November 12, 2018

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