

Data Sheet

NAME: 6535, clone 3 (SVPB5)

REPOSITORY REFERENCE: **ARP2056**

NOTE: This clone is also available as a member of a panel set, see **ARP2066**.

HOST STRAIN: 6535

CLONING SITE: The HIV-1 env/rev cassette was directly cloned 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 3106 bp.

CLONING VECTOR: pcDNA3.1D/V5-His TOPO[®]. The size of the cloning vector including the insert is 8620 bp.

DESCRIPTION: 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 directional cloning approach. A single transformed ampicillin resistant *E coli* colony was selected and expanded. Recombinant plasmid carries resistance genes for ampicillin and neomycin. Sequence information is available at:

www.aidsreagent.org/ecommerce/graphics/docs/11017seq.doc

GENE BANK: Accession number is AY835438

SPECIAL CHARACTERISTICS:	The clone represents env/rev sequences from a subject with acute 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. 6535.3 Env containing pseudovirions are included in a standard virus neutralization panel for subtype B strains (SVPB5).
PLASMID EXPANSION:	It is recommended that this plasmid be expanded using DH5 α TM Competent Cells in LB medium at 34 C.
PROVIDED:	1 vial containing 20 μ g of plasmid DNA in TE buffer (0.5 mg/ml)
RECOMMENDED STORAGE:	-80°C.
SOURCE:	Dr. David Montefiori and Dr. Feng Gao (Courtesy of NIH AIDS Research and Reference Reagent Program.)
REFERENCE:	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. <i>J. Virology</i> 79 (16): 10108-10125, 2005.
NOTE:	“The 6535, clone 3 (SVPB5) was provided through the EU Program EVA Centre for AIDS Reagents, NIBSC, UK (AVIP Contract Number LSHP-CT-2004-503487) and the NIH AIDS Research and Reference Reagent Program, USA”.
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