Centre for AIDS Reagents.

Data Sheet

NAME: pWITO4160 clone 33 (SVPB18)

REPOSITORY REFERENCE: ARP2059

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

PROVIDED: 20 ug plasmid DNA/vial (0.5 mg/ml)

HOST STRAIN: MAX Efficiency STBL2™

CLONING SITE: The env/rev cassette was TA cloned into pcDNA3.1/V5-His© TOPO® and colonies were screened to obtain env/rev clones in the correct orientation with the CMV promoter. The size of the insert is 2953 bp.

CLONING VECTOR: pcDNA3.1/V5-His© TOPO®. The size of the cloning vector including the insert is 8476 bp.

DESCRIPTION: A PCR fragment containing full-length env and rev genes was derived from plasma virion-associated RNA from a subject acutely infected with a clade B virus by reverse transcription and nested PCR amplification procedures. The env/rev cassette was cloned into the pcDNA3.1/V5-His© TOPO® expression vector. A single transformed ampicillin-resistant *E. coli* colony was selected and expanded.

SPECIAL CHARACTERISTICS: The clone represents env/rev cassette from a subject with acute subtype B infection (female to male transmission). The clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions. pWITO4160.33 Env containing pseudovirions are included in a standard virus neutralization panel for subtype B strains (SVPB18).

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PLASMID EXPANSION:

This plasmid can be expanded using MAX Efficiency STBL2™ Competent Cells or DH5α™ Competent Cells in LB medium at 34ºC.

GENE BANK:

Accession number is AY835451

STORAGE:

-80°C

SOURCE:

Drs. B. H. Hahn and J. F. Salazar-Gonzalez (Courtesy of NIH AIDS Research and Reference Reagent Programme.)

REFERENCE :

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. Virol*ogy **79**(16): 10108-10125, 2005.

ACKNOWLEDGEMENTS:

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Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)

***NOTE*:**

Scientists at for-profit institutions or who intend commercial use of this reagent must contact William S. White, UAB Research Foundation, The Office of Intellectual Property Management, AB 1120G, 1530 3rd Ave. S, Birmingham AL 35294-0111, Tel: 205-996-2550 Fax: 205-934-5427, email: wswhite@uab.edu, before the reagent can be released.