

Data Sheet

NAME :	AC10.0, clone 29 (SVPB13)
REPOSITORY REFERENCE :	ARP2044
PROVIDED:	1 vial containing 20µg of plasmid DNA in TE buffer (0.5 mg/ml)
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 3112 bp.
CLONING VECTOR:	pcDNA3.1D/V5-His TOPO©. The size of the cloning vector including the insert is 8626 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 <i>E.coli</i> colony was selected and expanded. Recombinant plasmid carries resistance genes for ampicillin and neomycin. Sequence information is available upon request.
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. AC10.0.29 Env containing pseudovirions are included in a standard virus neutralization panel for subtype B strains (SVPB13).

STORAGE:

-80°C.

SOURCE:

Dr David Montefiori and Dr Feng Gao (courtesy of NIH AIDS Research and reference Reagent Programme).

REFERENCE:

Li, M., Gao F., Mascola J.R., Stamatatos L., Polonis V.R., Koutsoukos M., Voss G., Goepfert P., Gilbert P., Greene K.M., Bilaska 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**: in press 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)