Centre for AIDS Reagents

Data Sheet

REPOSITORY REFERENCE:	**ARP2075**
NAME:	**p1054.TC4.1499**
PROVIDED:	20 µg (0.5 µg/µl) of plasmid DNA in TE buffer.
CLONING SITE:	The HIV-1 rev/env cassette was ligated into the pcDNA3.1D Directional Topo vector (Invitogen Life Technologies) and transformed into TOP10 competent bacteria.
CLONING VECTOR:	pcDNA3.1D Directional Topo Vector.
DESCRIPTION:	Env clones of transmitted and early founder HIV-1 subtype B in primary HIV-1 infection (RNA positive, Western blot negative). HIV-1 clade B molecular rev/env clones derived from patient plasma during acute HIV-1 infection. The rev/env genes were PCR amplified by single genome amplification (SGA) followed by directional cloning into pcDNA3.1D. Clone sequences were confirmed to match the consensus sequence of all SGA-derived amplicons and represent the transmitted or early "founder" viral sequence. The rev/env clones were transfected with delta env HIV-1 SG3 in 293-T cells and the pseudotyped virions were found to mediate entry into TZM-bl cells utilizing CD4 and CCR5. The antibiotic resistance is ampicillin and the sequence information is available in GenBank.
GENBANK:	EU289185
RECOMMENDED STORAGE:	-80°C.
NOTE:	Applications: Phenotypic, neutralization susceptibility and structure-function analyses of the transmitted env.
SOURCE:	Drs. Beatrice H. Hahn, Brandon F. Keele, George M. Shaw

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REFERENCES:

Keele, B.F. et al. Identification and Characterization of Transmitted and Early Founder Virus Envelopes in Primary HIV-1 Infections, Proc. Natl. Acad. Sci., USA, 105: 7552-7557 (2008).

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www.nibsc.ac.uk/spotlight/centre_for_aids_reagents.aspx

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)