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DATA SHEET

Reagent:	SIVmac239 ΔNef Partial Molecular Clone
Catalog Number:	2477
Lot Number:	071004
Release Category:	C
Provided:	5 µg of dried purified DNA stabilized in DNAstable *PLUS*
Cloning Vector:	pBS- Ampicillin resistant
Host Strain:	Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.
Description:	A partial SIVmac239 ΔNef molecular clone which encodes the 3' half of the SIVmac239 genome.
Special Characteristics:	This construct is 8725 bp including the insert. The source of this molecular clone is the 3' half of the SIVmac239 genome with a deletion in *Nef*. This plasmid is derived from p239SpE3´ (Catalog #830). The insert contains SIV *tat*(partial), *rev*, and *env* genes, 3' LTR and 3' cellular DNA. This plasmid contains a deletion of 181 nucleotides in the Nef coding region. All other open reading frames are intact. This clone is also missing a 610 bp SstI fragment in the 3´ flanking cellular DNA. The deletions are depicted in the attached contributor provided plasmid map, and the experimentally determined splice acceptor (SA) sites for tat and rev are also shown. Contributor provided plasmid map Plasmid map and sequence file lot 071004 This reagent is currently being provided as dried purified DNA stabilized in DNAstable *PLUS*. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice

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Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: Drs. Ronald Desrosiers, Jim Gibbs, and Dean Regier

References:

Gibbs, J. S., Regier, D. A., & Desrosiers, R. C. (1994). Construction and in vitro properties of HIV-1 mutants with deletions in "nonessential" genes. AIDS Res Hum Retroviruses, 10(4), 343-350. doi:10.1089/aid.1994.10.343 PUBMED

Park, I. W., Steen, R., & Li, Y. (1991). Characterization of multiple mRNA species of simian immunodeficiency virus from macaques in a CD4+ lymphoid cell line. J Virol, 65(6), 2987-2992. PUBMED

Regier, D. A., & Desrosiers, R. C. (1990). The complete nucleotide sequence of a pathogenic molecular clone of simian immunodeficiency virus. AIDS Res Hum Retroviruses, 6(11), 1221-1231. doi:10.1089/aid.1990.6.1221 PUBMED

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIVmac239 ΔNef Partial Molecular Clone from Dr. Ronald Desrosiers." Also include the references cited above in any publications.

Available only for non-commercial use. Requests from commercial organizations should be directed to the Harvard Medical School Office of Technology Development, email: hms_materialtransfer@harvard.edu.

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