

Centre for AIDS Reagents.

Data Sheet

NAME: pNIBSC8 (SIV env)

REPOSITORY REFERENCE: ARP219

HOST: XL-1 Blue or JM101

DESCRIPTION OF CLONE: pNIBSC8 is dsM13 mp18 bacteriophage containing the entire env gene of SIVmac251

(32H isolate).

ACCESSION NUMBER: M74936 - SIVmac251 (32H isolate) clone W1.

CLONE PRODUCTION: The genomic DNA was extracted from C8166 cells infected with SIVmac251 (32H)

and digested with Sal1. The below primers were used to insert RE sites SalI and EcoRV at the 5' end and Kpn1 and EcoRV at the 3' end of the PCR product. The 1500bp PCR

product was then digested with SalI and KpnI and ligated into the vector.

PRIMERS USED:

FWD ###

5'- GGC TAA TAC ATC TTC TGC ATG TCG AC G ATA TCT ATG GGA TGT CTT GGG AAT CA -3'

SalI EcoRV

###= Start Methionine

REV +++

5'- GGG GGT ACC GAT ATC TCA CCT CTT CAC ATC TGT GGG GGC -3' +++= Stop codon

KpnI SalI

CLONING VECTOR: M13 mp18 bacteriophage

CLONING SITE: Sal I – Kpn I

PRESENTATION: Supplied as ds RF DNA.

SOURCE: Drs P Kitchin and N Almond.

REFERENCE: AIDS Res. Hum. Retroviruses 8 (1), 77-88 (1992) Almond, N., Jenkins, A., Slade, A.,

Heath, A., Cranage, M. and Kitchin, P.

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Centre for AIDS Reagents. Suggested wording can be found on our website at http://www.nibsc.org/spotlight/centre_for_aids_reagents.aspx in the

"Acknowledgements" section.

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)

