Centre For AIDS Reagents

Data Sheet

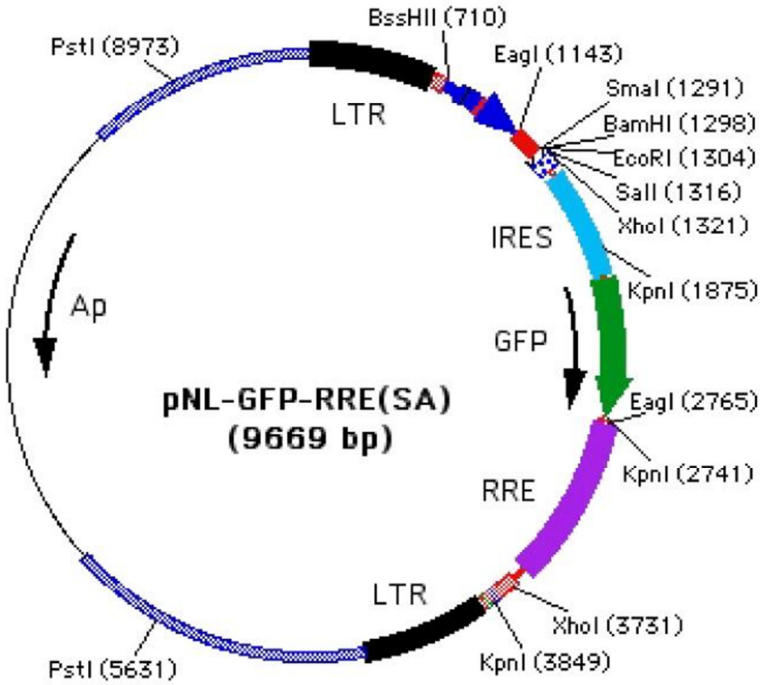
NAME: pNL-GFP-RRE(SA)

REPOSITORY REFERENCE: **ARP2092**

PROVIDED: 5 µg purified plasmid DNA (1 µg/µL).

CLONING VECTOR: pUC18; The size of the insert is 7307bp. Size of vector and insert is 9669bp

DESCRIPTION: pNL-GFP-RRE was first constructed by complete deletion of all HIV ORFs of pNL4-3 by replacing the 8.1 kb BssHII-BlpI fragment of the HIV-1 genomes with an insert containing the GFP ORF and the HIV-1 Rev-responsive element (RRE) including the HIV-1 sequence immediately following the BssHII site and the first 336 nucleotides of the gag ORF (the gag reading frame was disrupted by a frame shift mutation at the ClaI site by blunt end ligation), the GFP ORF was derived from pIRES-hrGFP-1a (Stratagene) by PCR amplification. pNL-GFP-RRE-(SA) was constructed by insertion of a PCR fragment into the NotI-SmaI site of pNL-GFP-RRE, in front of the GFP ORF. The insert carries the HIV-1 A5 splicing acceptor and D4 donor. GFP is expressed from the HIV-1 LTR promoter in HIV infected cells when Tat and Rev are present.



SPECIAL CHARACTERISTICS: This vector can be incorporated into a Lentivirus; Infection of HIV-positive cells by this reporter virus results in GFP expression.

GenBank EF408805

STORAGE:	-70°C
SOURCE:	Dr. Yuntao Wu and Dr. John Marsh
REFERENCE:	Wu, Y. Beddall, M.H. and Marsh, J.W. Rev-dependent lentiviral expression vector. Retrovirology 4: 12 (2007).
NOTE:	Scientists at for-profit institutions or who intend commercial use of Release Category C reagent (Cat# 11446) must contact Dr. Sally Hu, NIH Office of Technology Transfer, Phone: 301-435-5606, Email:hus@mail.nih.gov. Please cite reference number E-276-2003.
ACKNOWLEDGEMENTS:	Publications should acknowledge the donor of the reagent and the Centre for AIDS Reagents. Suggested wording can be found on our website in the "Acknowledgement" section at:-

www.nibsc.org/science_and_research/virology/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 by e-mail or printed copy