Centre For AIDS Reagents

Data Sheet

NAME: DuoFluo (R7GEmC)

REPOSITORY REFERENCE: **ARP2093**

PROVIDED: 1 vial with 5 µg of purified plasmid in TE buffer

CLONING VECTOR: R7/3/GFP

DESCRIPTION: This HIV-1 construct contains two distinct fluorescent proteins under control of independent promotors. EGFP has been inserted in place of *nef* and is expressed through LTR activation. An EF1a-mCherry transcriptional unit was inserted between EGFP and the 3'LTR.

This construct can be used to study latent infection. The *env* is non-functional and *nef* has been replaced with EGFP, so the construct can be used to produce single-cycle infectious pseudotyped virions when combined with a suitable envelope expression vector.

SPECIAL CHARACTERISTICS: The construct was generated by using the R7/3/GFP plasmid and cat# 3418, pNL4-3.Luc.R-.E-. Sequence file available upon request. Please see the reference for more details.

STORAGE: -20°C

SOURCE: Vincenzo Calvanez and Eric Verdin, Gladstone Institute of Virology and Immunology, 1650 Owens Street, San Francisco, CA 94158, USA; Department of Medicine, University of California, San Francisco, CA, USA.

REFERENCE: Calvanese V, Chavez L, Laurent T, Ding S, Verdin E. Dual-color HIV reporters trace a population of latently infected cells and enable their purification. Virology. 2013 Nov;446(1-2):283-92.

NOTE: Recipient agrees to negotiate in good faith to share with the donor's institution the income arising from commercializing the reagent (Form Required)

Or

Recipient must sign an agreement with the donor's institution for commercial use prior to receiving the reagent.

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