



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent:	DuoFluo (R7GEmC)
Catalog Number:	12595
Lot Number:	140325
Release Category:	D
Provided:	5 µg of dried purified DNA stabilized in DNastable <i>PLUS</i>
Cloning Vector:	R7/3/GFP
Description:	<p>This HIV-1 construct contains two distinct fluorescent proteins under control of independent promoters. 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.</p> <p>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.</p>
Special Characteristics:	<p>This construct is 18165 bp including the insert.</p> <p>The construct was generated by using the R7/3/GFP plasmid and cat# 3418, pNL4-3.Luc.R-E-. Please see the reference for more details.</p> <p>Donor Sequence file</p> <p>Sequence file lot 140325</p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNastable <i>PLUS</i>. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice</p>
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Contributor: Drs. Vincenzo Calvanez and Eric Verdin

References: 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. [ABSTRACT](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Cat# 12595 DuoFluo (R7GEmC) from Drs. Vincenzo Calvanez and Eric Verdin."

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the J. David Gladstone Institutes, Email: veronica.viray@gladstone.ucsf.edu, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

Last Updated January 30, 2019

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