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:	pcDNA 89.6 S1 ΔN - SF - GFP
Catalog Number:	12488
Lot Number:	150016
Release Category:	C
Provided:	0.5 µg of dried purified DNA stabilized in DNAstable *PLUS*
Cloning Vector:	pUC19 Ampicillin resistant
Cloning Site:	A diagnostic double digest with XbaI and BglI shows an 11.4 kb vector band and a 1.8 kb insert band in pcDNA 89.6 S1 ΔN - SF - GFP, in comparison to an 11.4 kb vector band and a 2.2 kb insert in parental plasmid (pcDNA 89.6 ΔN - SF - GFP).
GenBank:	This construct is 13287 bp including the insert. GenBank U39362 (wild type 89.6) Sequence file lot 150016
Host Strain:	DH5α
Description:	This construct expresses the molecular clone 89.6 (cat# 3552) bearing a nef deletion of 380 bp in U3 and GFP is expressed off the internal SFFV promoter. The U3 deletion eliminates all consensus AP-1, NFAT, NF-kappaB, SP-1 and TATA motifs, but maintains the poly A site found in the R region.
Special Characteristics:	To generate an env containing nef-deleted version of the self inactivating construct in reference [1], parental p89.6 was subjected to PCR-mediated deletion of nef through its XhoI site, with insertion of a unique PmeI site. A 1.5 kb fragment containing the SFFV promoter and EGFP was inserted into the PmeI site. 380 bp of the U3 region of the viral LTR were deleted rendering the virus self-inactivating.

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

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

Contributor: Drs. Kathleen Collins and Ronald Collman

References:

Carter CC, Onafuwa-Nuga A, McNamara LA, Riddell J 4th, Bixby D, Savona MR, Collins KL. HIV-1 infects multipotent progenitor cells causing cell death and establishing latent cellular reservoirs. Nat Med. 2010 Apr;16(4):446-51. doi: 10.1038/nm.2109. Epub 2010 Mar 7. PubMed PMID:20208541; PubMed Central PMCID: PMC2892382.

Last Updated: February 12, 2019