



NIH AIDS Reagent Program

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DATA SHEET

Reagent: pHEF-VSVG

Catalog Number: 4693

Lot Number: 150121

Release Category: C

Provided: 5 µg of dried purified DNA stabilized in DNASTable *PLUS*

Cloning Site: EcoRI cloning site
The size of the insert is 1,668 bp.

Cloning Vector: pHEF
Ampicillin resistant

Description: This construct is a VSV-G envelope eukaryotic expression vector. Transfection of this construct in mammalian cells produces a high concentration of VSV-G which can be used for pseudotyping retroviral- and lentiviral-based vectors.

Special Characteristics: This construct is 5,475 bp including the insert.
PCR-amplified VSV-G sequence with a preferred eukaryotic translational initiation codon driven by a strong human elongation factor alpha promoter.
Note that VSV-G causes severe cell-cell fusion in 293 cell cultures.
Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.
[Plasmid map and sequence file lot 150121](#)
DNA Transfection for Production of Recombinant Lentiviruses
Lung-JI, Chang, 1988
[Click here to view this attachment \(PDF\).](#)

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.

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:

Dr. Lung-Ji Chang

References:

Chang L-J, Urlacher V, Iwakuma T, Cui Y, Zucali J. Efficacy and safety analyses of a recombinant human immunodeficiency virus type 1 derived vector system. *Gene Ther* **6**:715-728, 1999.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pHEF-VSVG from Dr. Lung-Ji Chang (Cat# 4693)." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact UF Innovate at the following email address: mta@research.ufl.edu, before the reagent can be released.

Last Updated:

February 14, 2019

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