



NIH AIDS Reagent Program

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DATA SHEET

Reagent: pHEF-VSVG

Catalog Number: 4693

Lot Number: 100106

Release Category: C

Provided: 5 µg plasmid DNA, 0.8 µg/µL, in TE. Propagate in DH5α, Top-10, HB101, or STBL2.

Description: VSV-G envelope eukaryotic expression vector. PCR-amplified VSV-G sequence with a preferred eukaryotic translational initiation codon (-CCACC-ATG) driven by a strong human elongation factor alpha promoter.

DNA Transfection for Production of Recombinant Lentiviruses
Lung-JI, Chang, 1988

[Click here to the view this attachment \(PDF\).](#)

Special Characteristics: 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. Note that VSV-G causes severe cell-cell fusion in 293 cell cultures.

Recommended Storage: -20°C.

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." Also include the reference cited above in any publications.

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.

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