Product Information Sheet for HRP-13908

Vector pUC57-mini ZM249M Δenv eGFP

Catalog No. HRP-13908

For research use only. Not for use in humans.

Contributor and Manufacturer:
Jeremy Luban, M.D., Professor, David J. Freelander Chair in AIDS Research, Program in Molecular Medicine, Biochemistry & Molecular Biotechnology, University of Massachusetts Medical School, Worcester, Massachusetts, USA

Product Description:
Note: The label on the vial is incorrect; the plasmid expresses eGFP.

HRP-13908 is a single-cycle vector encoding full-length HIV-1 [primary, transmitted/founder HIV-1 clone (clade C) derived from single genome sequencing] in the plasmid pUC57-mini with deletion of 79 nucleotides following the Env signal peptide and eGFP in place of nef. The beta-lactamase gene, bla, provides transformans selection through ampicillin resistance in Escherichia coli (E. coli). The plasmid size is approximately 12,160 base pairs. The plasmid sequence and map are provided on the NIH HIV Reagent Program webpage.

Material Provided:
Each vial contains plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0). The DNA concentration and volume provided are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening. Note: The contents of the vial should be used to replicate the plasmid in E. coli prior to expression studies.

Packaging/Storage:
HRP-13908 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH HIV Reagent Program, NIAID, NIH: Vector pUC57-mini ZM249M Δenv eGFP, HRP-13908, contributed by Dr. Jeremy Luban.”

Biosafety Level: 1

Disclaimers:
You are authorized to use this product for research use only. It is not intended for human use

Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at www.hivreagentprogram.org.

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References:

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