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# Human Immunodeficiency Virus 1 (HIV-1) NL4-3 ΔEnv Vpr Luciferase Reporter Vector (pNL4-3.Luc.R-E-)

**The HIV-1 NL4-3 luciferase reporter vector contains defective nef, env, and vpr genes cloned into pUC19. This reporter vector is useful for studying the role of the Nef and Vpr proteins in HIV infections and pathogenesis.**

The HIV-1 NL4-3 luciferase reporter vector contains defective nef, env, and vpr genes cloned into pUC19. This vector is competent for a single round of replication and requires cotransfection with env expression vector to produce infectious virus. A firefly luciferase gene is used as the reporter. This vector is useful for studying the role of the Nef and Vpr proteins in HIV infections and pathogenesis.

## References

1. Connor RI, Chen BK, Choe S, Landau NR(1995) , <https://pubmed.ncbi.nlm.nih.gov/7531918/>, Virology
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