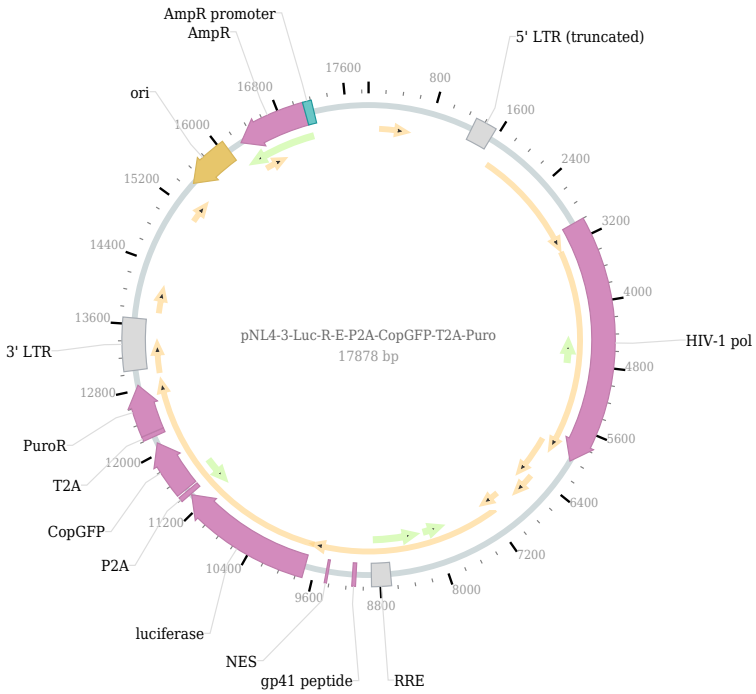
pNL4-3-Luc-R-E-P2A-CopGFP-T2A-Puro

Vector ID	V017488
Antibiotic Resistance	Ampicillin
Length	17878 bp
Vector Type	Viral Expression & Packaging Vectors

Product Information

Replication Origin	ori
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pNL4-3-Luc-R-E-P2A-CopGFP-T2A-Puro is an HIV-1 NL4-3-derived luciferase reporter genome (Luc-R-E- backbone with vpr and env deleted) further engineered with P2A-linked CopGFP and T2A-linked puromycin resistance. Supports single-round infection assays, fluorescent monitoring, and drug selection of infected cells in HIV research (Munk & Landau 2003 lineage).

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.