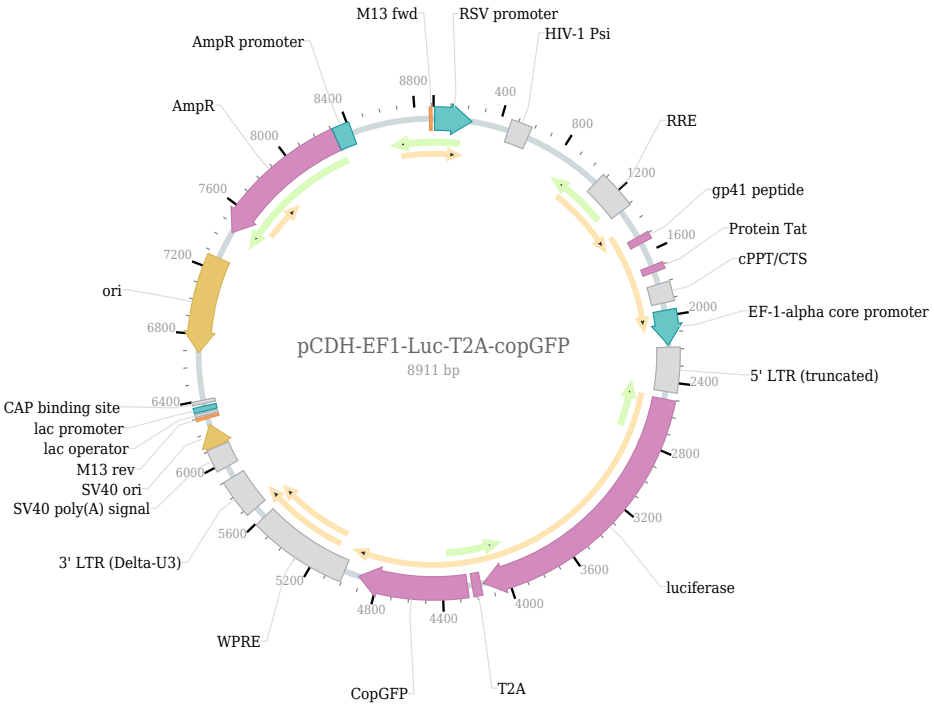
pCDH-EF1-Luc-T2A-copGFP

Vector ID	V015205
Antibiotic Resistance	Ampicillin
Length	8911 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Promoter	EF-1α core
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	It is designed for constitutive expression of luciferase with a copGFP reporter via a T2A self-cleaving peptide, driven by the EF-1α promoter. The vector contains a WPRE element and utilizes an RSV promoter for transcriptional control. It also includes essential HIV-1 derived elements such as 5'/3' LTRs, HIV-1 Ψ, RRE, cPPT/CTS, and Protein Tat for efficient viral packaging and nuclear import.

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 ℃.