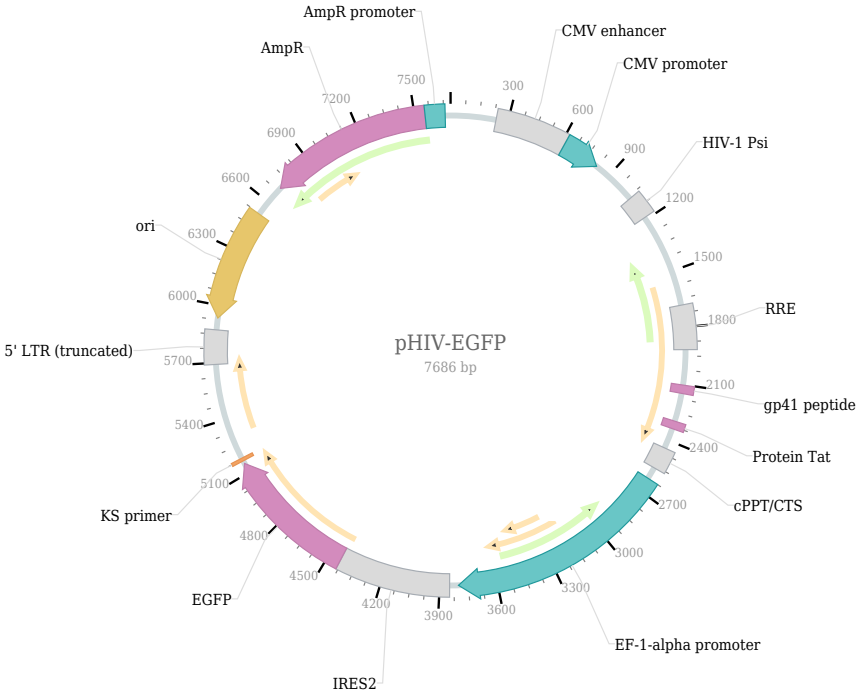
pHIV-EGFP

Vector ID	V016827
Antibiotic Resistance	Ampicillin
Length	7686 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Promoter	EF-1α
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	The pHIV-EGFP plasmid is a lentiviral expression vector containing EF1α promoter-driven multiple cloning sites (MCS) and IRES-EGFP reporter. It enables simultaneous expression of target genes and GFP fluorescence for tracking transfected cells. The HpaI/EcoRI restriction sites facilitate gene insertion, while the IRES sequence allows bicistronic translation.

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 ℃.