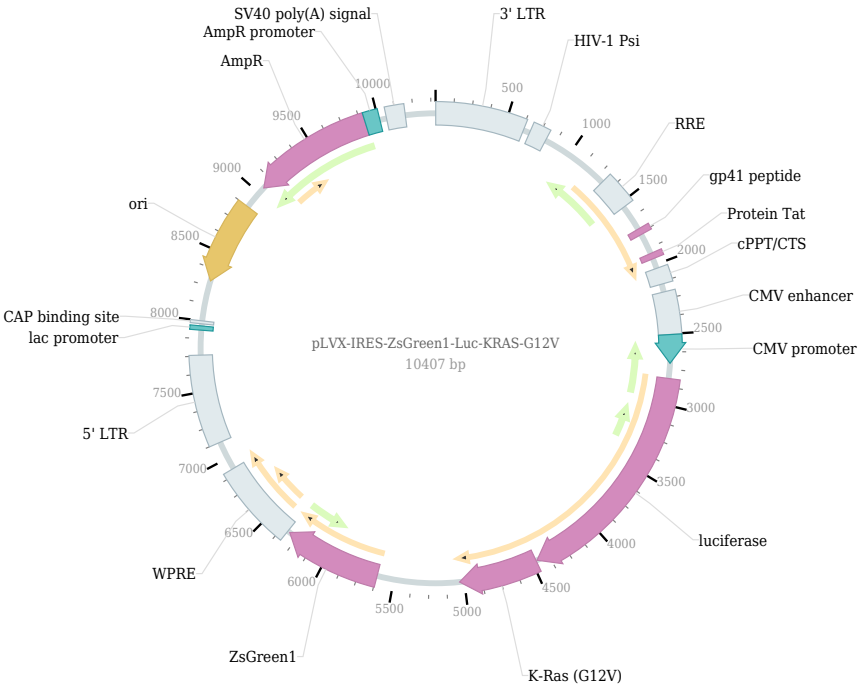
pLVX-IRES-ZsGreen1-Luc-KRAS-G12V

Vector ID	V013080
Antibiotic Resistance	Ampicillin
Length	10407 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Promoter	CMV
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pLVX-IRES-ZsGreen1-Luc-KRAS-G12V is a Lenti-X-based bicistronic vector expressing oncogenic KRAS G12V alongside ZsGreen1 fluorescence and firefly luciferase reporters (EMCV IRES-linked), enabling dual bioluminescence/fluorescence monitoring of KRAS-driven transformation in transduced cells.

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 ℃.