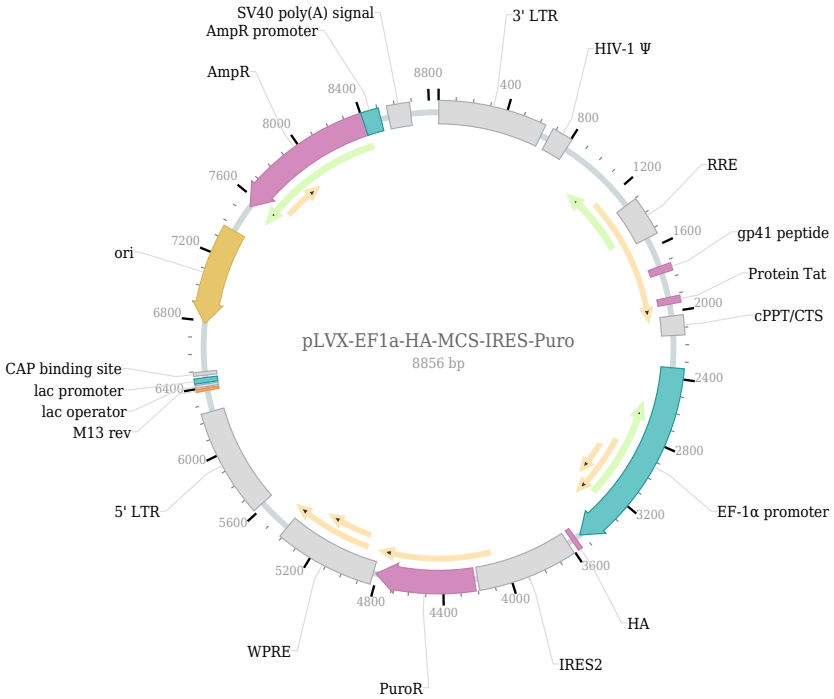
pLVX-EF1a-HA-MCS-IRES-Puro

Vector ID	V017834
Antibiotic Resistance	Ampicillin
Length	8856 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	EF1a
5' Primer	PEF-F
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pLVX-EF1a-HA-MCS-IRES-Puro is designed to express an N-terminally HA-tagged protein from the strong EF-1α promoter, with an IRES sequence driving PuroR (puromycin resistance) for bicistronic expression. The vector includes all essential HIV-1 packaging elements (Ψ, RRE, cPPT/CTS) for efficient viral production and genome integration. For antibiotic selection and bacterial propagation, it incorporates the PuroR gene and the AmpR gene, respectively.

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 ℃.