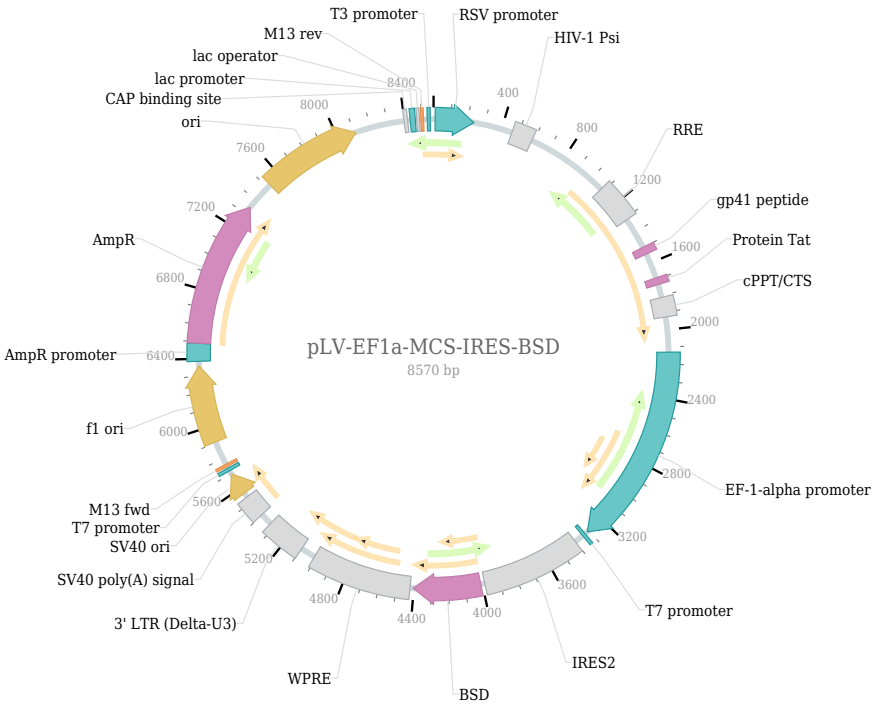
pLV-EF1a-MCS-IRES-BSD

Vector ID	V014289
Antibiotic Resistance	Ampicillin
Length	8570 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Blast
Promoter	EF-1α
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pLV-EF1a-MCS-IRES-BSD (8.6 kb) is a lentiviral vector for constitutive expression of two genes. It features an EF-1-alpha promoter driving a transgene cloned into the MCS, followed by an IRES (internal ribosome entry site) and the BSD (blasticidin resistance) gene for selection. Lentiviral elements include RSV promoter, 5'LTR, HIV-1 Ψ (packaging signal), RRE, cPPT/CTS, gp41 peptide, Tat protein, WPRE, and 3'ΔU3 LTR. The vector also carries AmpR, f1 ori, SV40 ori/poly(A), and both T3/T7 promoters for in vitro transcription.

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 ℃.