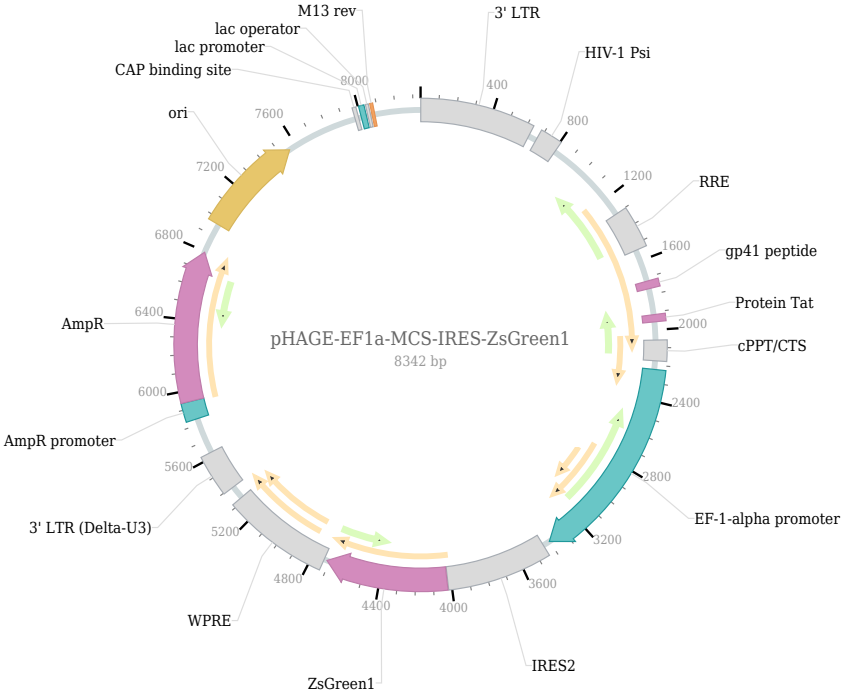
pHAGE-EF1a-MCS-IRES-ZsGreen1

载体编号 Vector ID	V013929
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8342 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells, Lentivirus

产品信息

复制子 Replication Origin	ori
启动子 Promoter	EF-1α
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pHAGE-EF1a-MCS-IRES-ZsGreen1 (8.3 kb) is a third-generation lentiviral vector for bicistronic gene expression. The EF-1α promoter drives transcription of a gene of interest cloned into the MCS, followed by an IRES (internal ribosome entry site) and the ZsGreen1 fluorescent reporter . Lentiviral elements include HIV-1 Ψ (packaging signal), RRE (Rev response element), cPPT/CTS (central polypurine tract), gp41 peptide, Protein Tat, WPRE (woodchuck hepatitis post-transcriptional regulatory element), and 3′ ΔU3 LTR (self-inactivating) for efficient transduction and high expression . The vector also carries AmpR for bacterial selection, a pUC origin (high-copy replication), and SV40 ori.

质粒图谱



复溶方法

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 ℃.