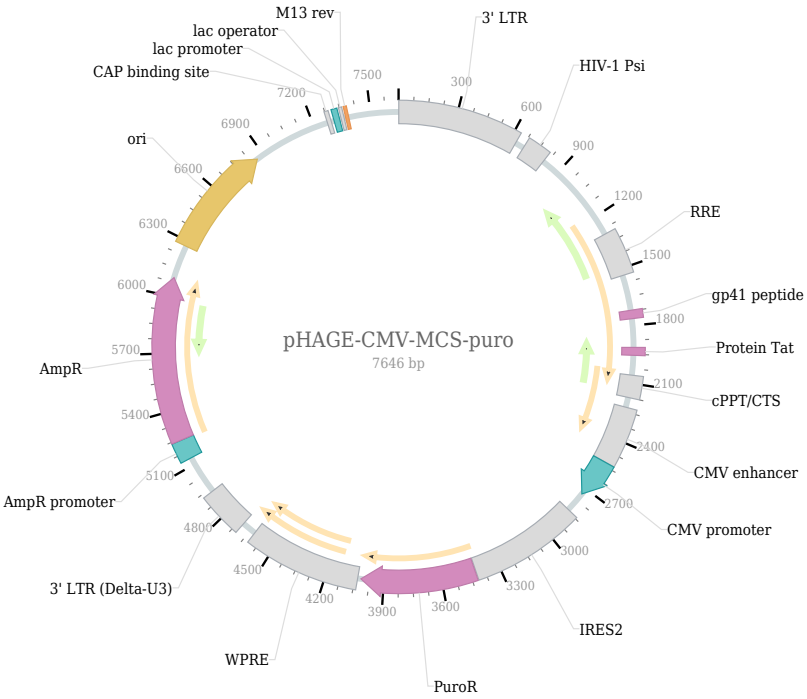
pHAGE-CMV-MCS-puro

Vector ID	V014961
Antibiotic Resistance	Ampicillin
Length	7646 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	CMV
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	This is a 7646 bp lentiviral expression vector, pHAGE-CMV-MCS-puro. It features a CMV promoter driving a multiple cloning site (MCS) for flexible gene insertion. The vector utilizes an IRES element for bicistronic expression of the puromycin resistance gene (PuroR) and contains a WPRE element to enhance transgene expression. It also includes essential HIV-1 derived elements such as 3' LTR (Delta-U3), HIV-1 Psi, RRE, and cPPT/CTS for efficient viral packaging and nuclear import, along with AmpR for bacterial selection.

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 ℃.