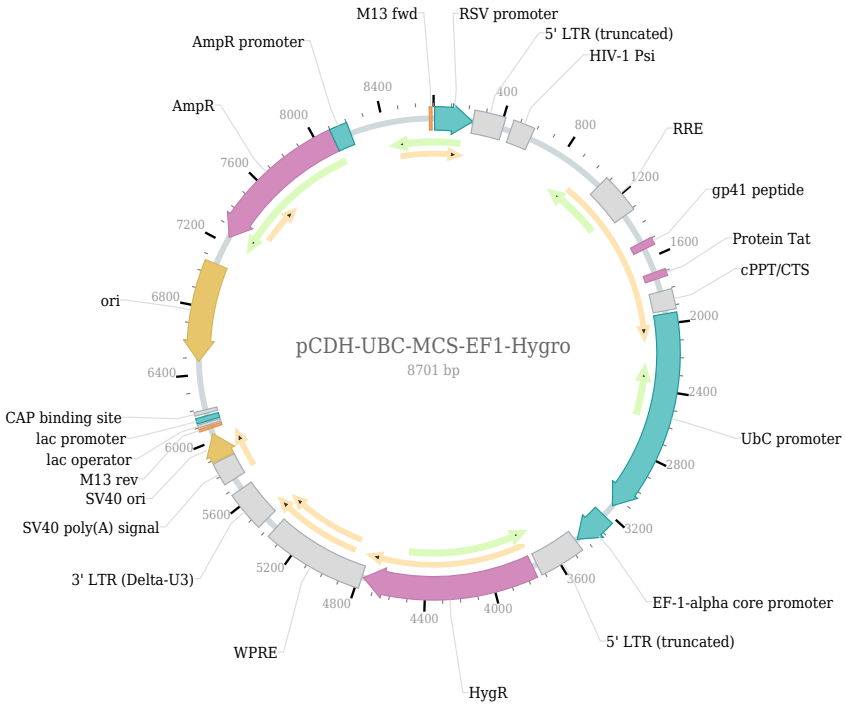
pCDH-UBC-MCS-EF1-Hygro

Vector ID	V013291
Antibiotic Resistance	Ampicillin
Length	8701 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Source/Author	Oskar Laur Lab
Selection Marker	Hyg
Copy Number	High copy number
Promoter	UbC
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pCDH-UBC-MCS-EF1-Hygro is a HIV-1-based, self-inactivating lentiviral expression vector. The human UbC promoter drives a gene cloned into the MCS, while the EF1α core promoter drives HygR for mammalian selection. It contains cPPT/CTS, RRE and WPRE elements and a ΔU3 3' LTR, plus a pUC ori and AmpR for E. coli. Propagate in Stbl3 or NEB Stable to limit LTR recombination; viral particles require packaging plasmids.

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 ℃.