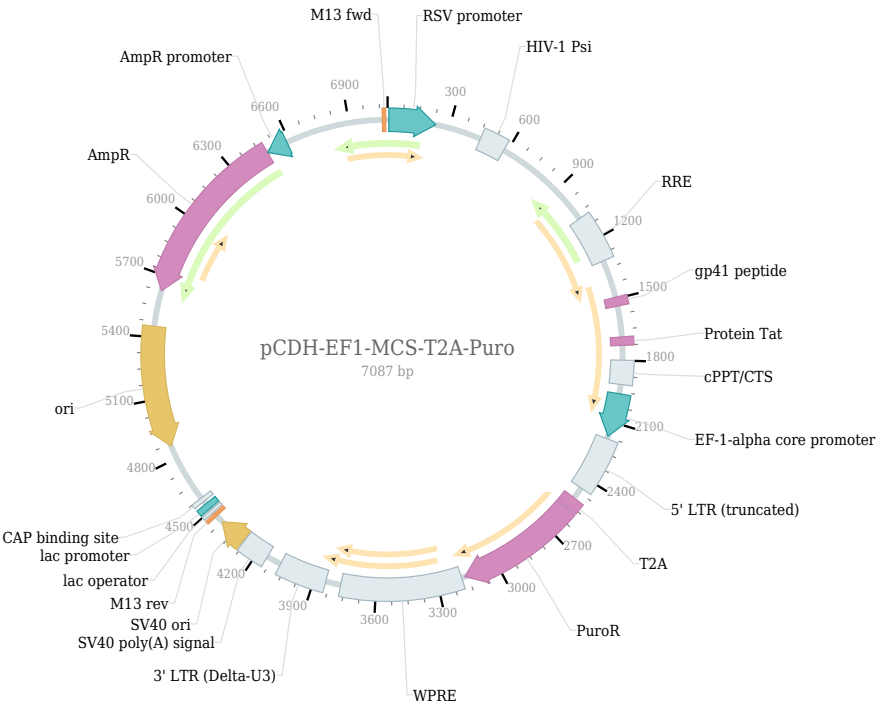
pCDH-EF1-MCS-T2A-Puro

Vector ID	V012913
Accession ID	pCDH-EF1a-MCS-T2A-Puro
Antibiotic Resistance	Ampicillin
Length	7087 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	EF-1α core
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	This is a lentiviral vector for constitutive gene expression. Driven by the EF1α promoter, it utilizes a T2A peptide to co-express an inserted gene of interest and a puromycin resistance gene from a single transcript. This enables efficient stable cell line generation.

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 ℃.