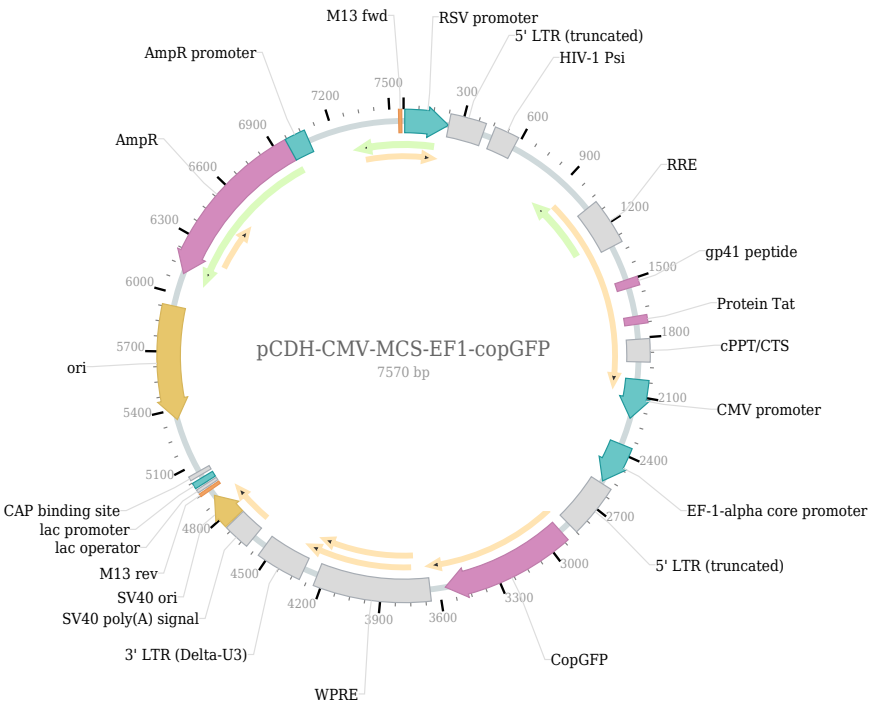
pCDH-CMV-MCS-EF1-copGFP

Vector ID	V007087
Antibiotic Resistance	Ampicillin
Length	7570 bp
Vector Type	Lentiviral vectors

Product Information

Replication Origin	ori
Promoter	RSV
Cloning Method	Enzyme digestion and ligation
5' Primer	CMV-F: CGCAAATGGGCGGTAGGCGTG
Fusion Tag	copGFP
Growth Temperature	37℃
Comment	The hEF1a promoter and the HTLV 5'LTR forms a composite promoter. hEF1a-HTLV promoter is a composite promoter comprising the human Elongation Factor-1α(EF-1α) core promoter and the R segment and part of the U5 sequence (R-U5') of the Human T-Cell Leukemia Virus (HTLV) Type 1 Long Terminal Repeat. The EF-1α promoter exhibits a strong activity and yields long lasting expression of a transgene in vivo. The R-U5' has been coupled to the EF-1α core promoter to enhance stability of RNA.

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 ℃.