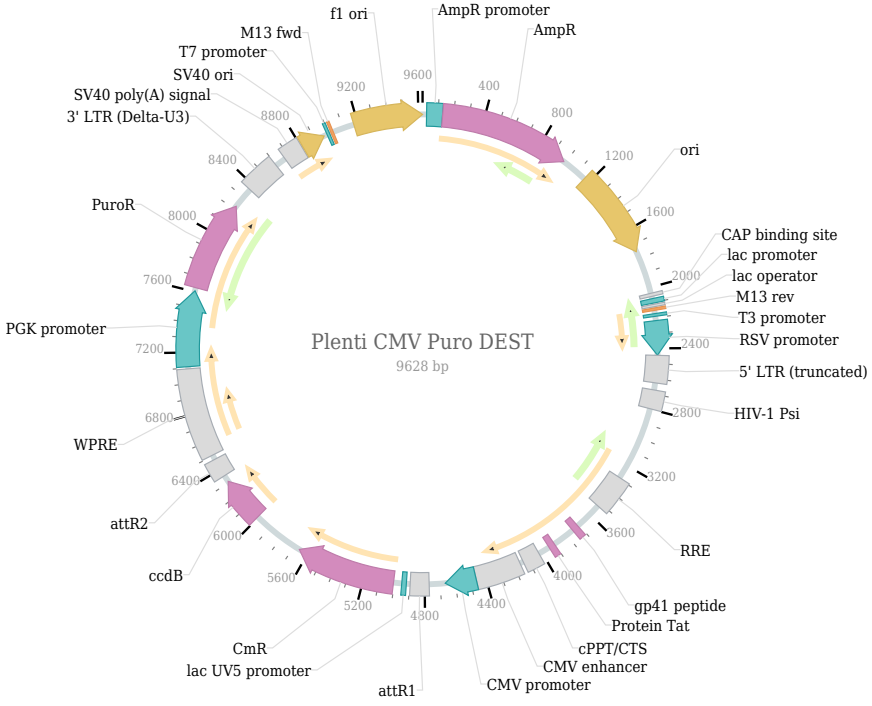
Plenti CMV Puro DEST

Vector ID	V006757
Antibiotic Resistance	Ampicillin
Length	9628 bp
Vector Type	Lentiviral vectors

Product Information

Replication Origin	ori
Source/Author	Eric Campeau, Paul Kaufman
Selection Marker	Puromycin
Copy Number	High copy number
Promoter	mPGK
5' Primer	CMV-F: CGCAAATGGGCGGTAGGCGTG
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	pLenti CMV Puro DEST is a lentiviral vector designed for high-efficiency gene delivery and stable expression in mammalian cells. It features a CMV promoter for strong constitutive expression, a puromycin resistance gene for selection in eukaryotic cells, and utilizes Gateway recombination technology for convenient cloning. The vector backbone includes an ampicillin resistance gene for propagation in E. coliand is approximately 9.6 kb in size. Please note that the cloning host is DB3.1.

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 ℃.