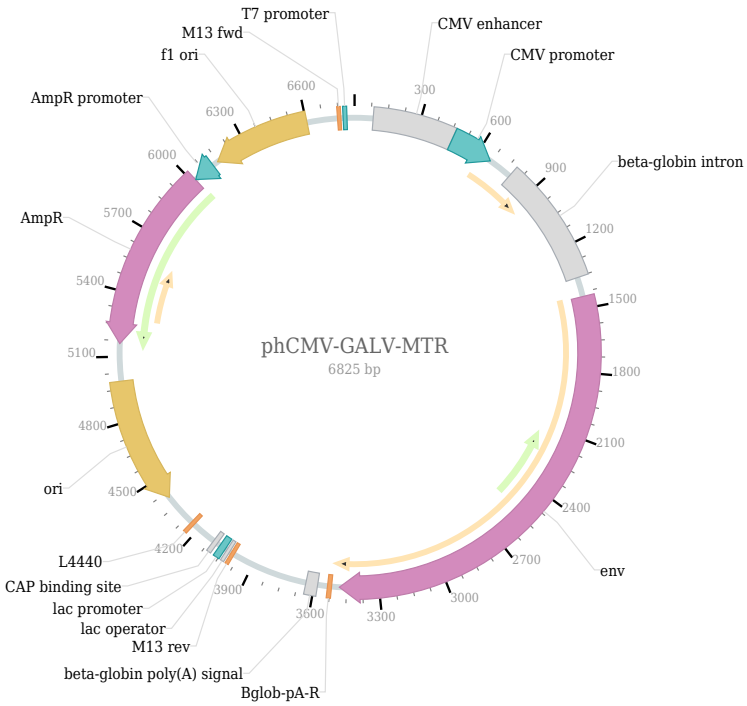
phCMV-GALV-MTR

Vector ID	V000819
Antibiotic Resistance	Ampicillin
Length	6825 bp
Vector Type	Mammalian Expression

Product Information

Replication Origin	ori
Promoter	CMV
Cloning Method	Gibson Cloning
5' Primer	CTGGTCATCATCCTGCCTTT
3' Primer	TTTTGGCAGAGGGAAAAAGA
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	phCMV-GALV-MTR, functioning as a retroviral packaging plasmid, drives GALV-MTR envelope protein expression via the CMV promoter to generate pseudotyped viruses. These efficiently infect primary human B cells to establish lymphoma models, enabling stable gene delivery and functional analysis.

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 ℃.