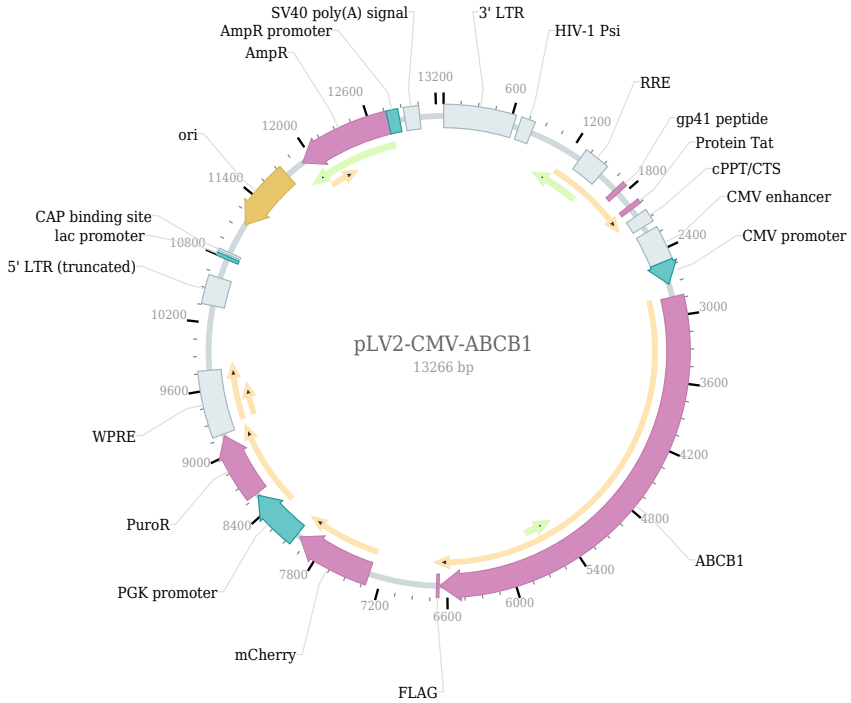
pLV2-CMV-ABCB1

Vector ID	V014932
Antibiotic Resistance	Ampicillin
Length	13266 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	mPGK
5' Primer	CMV-F
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pLV2-CMV-ABCB1 is a pLV2-based lentiviral vector overexpressing human ABCB1 (P-glycoprotein/MDR1), the ATP-binding cassette efflux transporter responsible for multidrug resistance in cancer chemotherapy, under the CMV promoter. Useful for modeling drug resistance and transporter studies; AmpR with Stbl3 propagation for lentiviral packaging.

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 ℃.