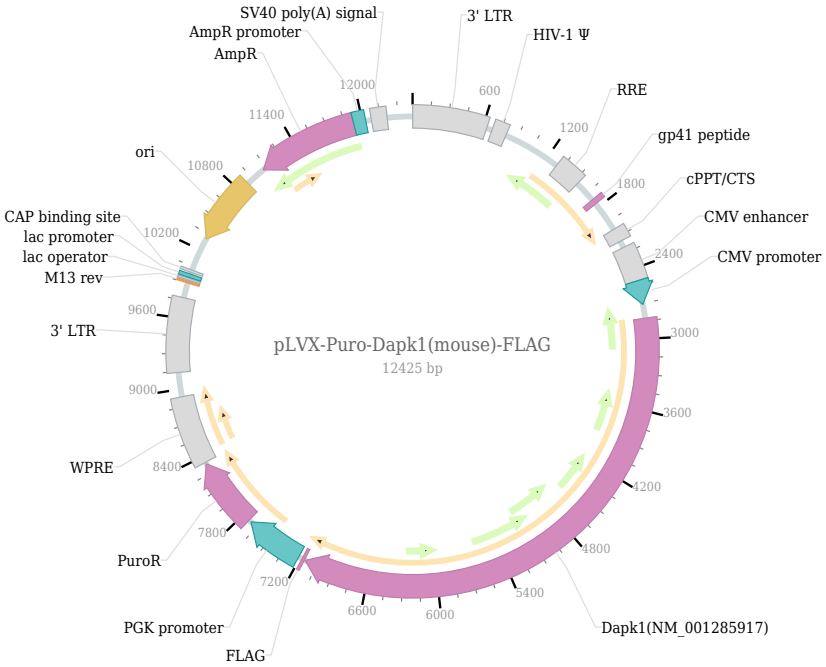
pLVX-Puro-Dapk1(mouse)-FLAG

Vector ID	V020454
Accession ID	NM_001285917.1
Antibiotic Resistance	Ampicillin
Length	12425 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	CMV
Fusion Tag	FLAG
Growth Strain(s)	Stbl3
Expression Method	Constiutive, Stable / Transient
Comment	pLVX-Puro-Dapk1(mouse)-FLAG is designed for mouse Dapk1 gene expression with N-terminal FLAG tagging, driven by a strong CMV promoter. The vector utilizes a PGK promoter to express the PuroR (puromycin resistance) gene for stable cell selection. Key elements include HIV-1 LTRs, RRE, and cPPT/CTS to facilitate efficient viral packaging and reverse transcription. Additional features are a WPRE for enhanced mRNA stability and an AmpR/ori cassette for bacterial propagation.

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 ℃.