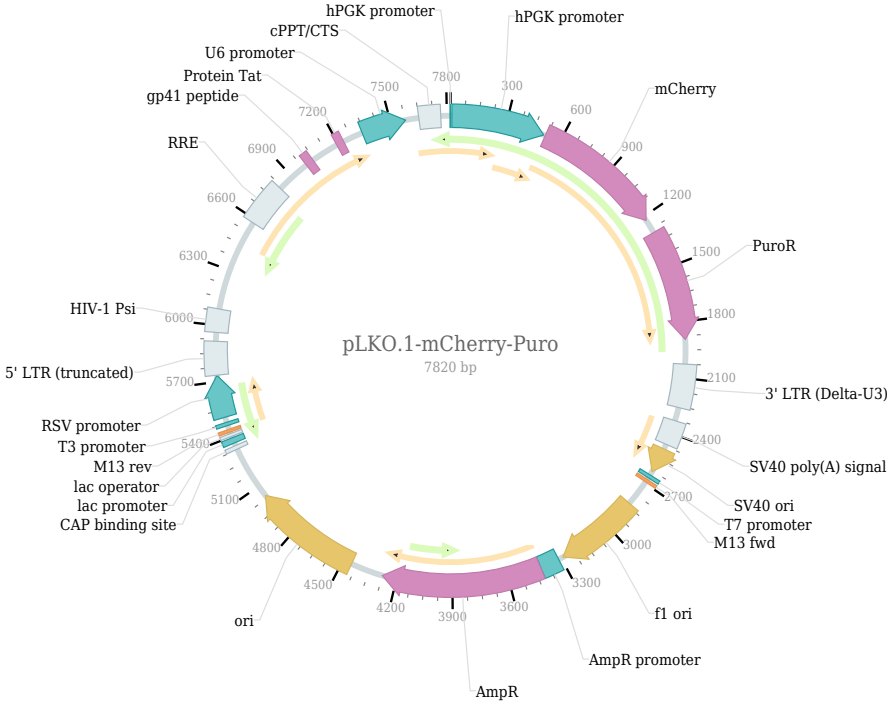
pLKO.1-mCherry-Puro

Vector ID	V013102
Antibiotic Resistance	Ampicillin
Length	7820 bp
Vector Type	RNA interference
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	hPGK
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pLKO.1-mCherry-Puro is a pLKO.1-TRC lentiviral shRNA vector with an added hPGK-mCherry reporter linked to puromycin resistance, allowing simultaneous fluorescence tracking and selection of transduced cells. The human U6 promoter transcribes shRNA inserts; the SIN Delta-U3 3' LTR ensures self-inactivation. AmpR; propagate in Stbl3 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 ℃.