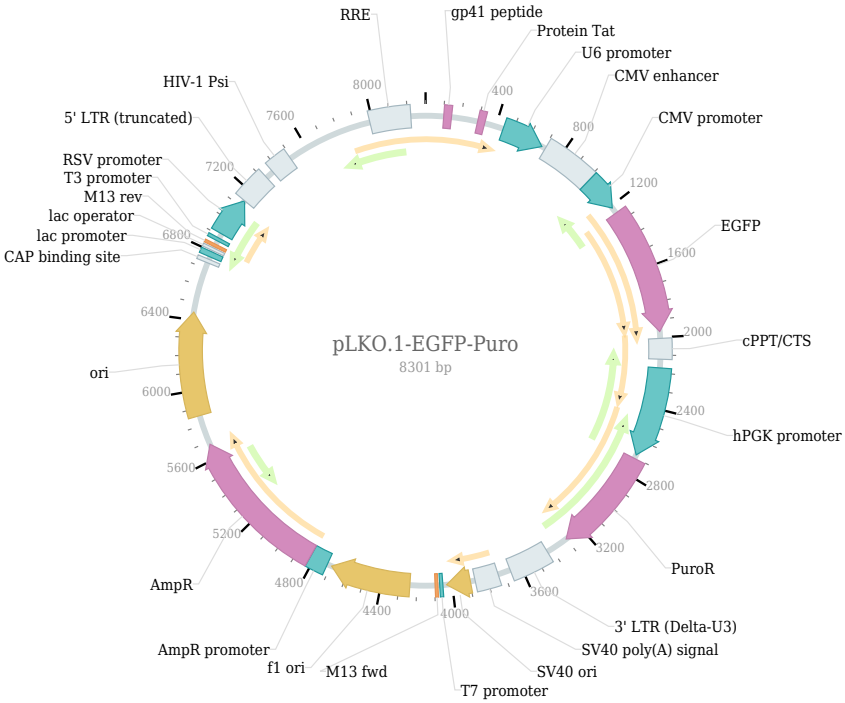
pLKO.1-EGFP-Puro

Vector ID	V012838
Antibiotic Resistance	Ampicillin
Length	8301 bp
Vector Type	Viral Expression & Packaging Vectors

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	hPGK
Cloning Method	Enzyme Cut
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pLKO. 1-EGFP-Puro is a 3rd-generation, self-inactivating (SIN) lentiviral transfer vector from the RNAi Consortium (TRC) / Broad Institute lineage — it's the classic pLKO.1 backbone, but with EGFP (enhanced GFP) as a built-in fluorescent reporter, so you can visually monitor transduction efficiency in real time while still having puromycin selection to build stable silenced lines.

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 ℃.