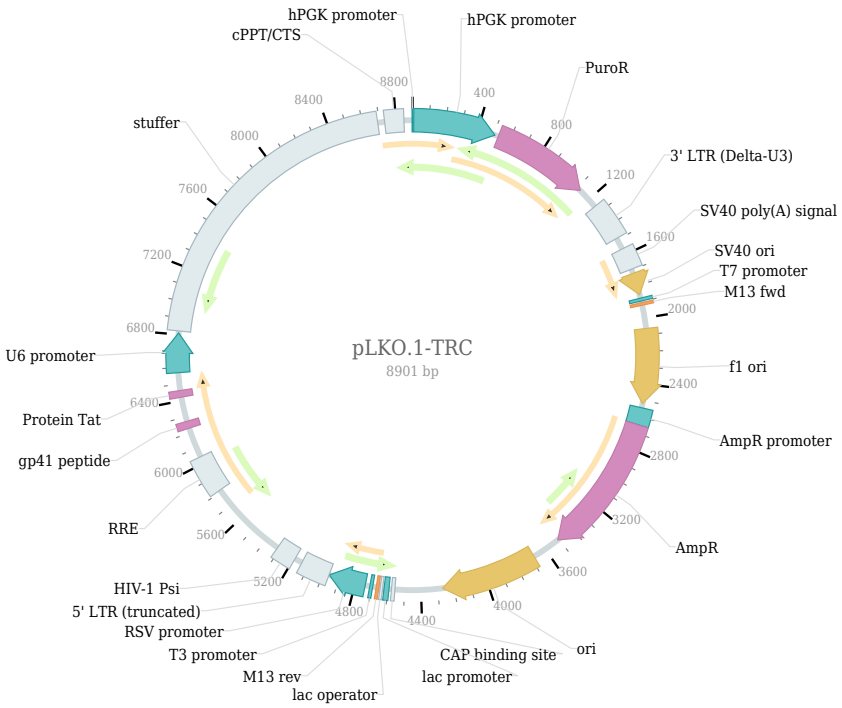
pLKO.1-TRC

Vector ID	V012791
Antibiotic Resistance	Ampicillin
Length	8901 bp
Vector Type	RNAi

Product Information

Replication Origin	ori
Source/Author	David Root
Copy Number	High copy number
Promoter	hPGK
Cloning Method	Enzyme Cut
5' Primer	LKO.15' GACTATCATATGCTTACCGT
Growth Strain(s)	stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	This is the recommended vector for cloning and expressing new shRNA sequences. This plasmid is being used by The RNAi Consortium to produce their shRNA library http://www.broad.mit.edu/genome_bio/trc/ The 1.9kb stuffer can be released with AgeI and EcoRI and replaced with your shRNA sequence of choice.

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 ℃.