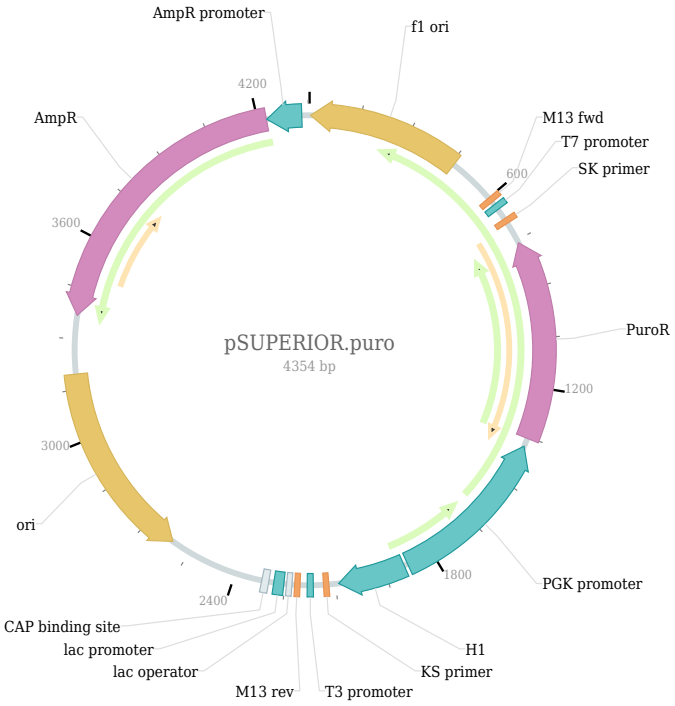
pSUPERIOR.puro

Vector ID	V011881
Antibiotic Resistance	Ampicillin
Length	4354 bp
Vector Type	RNAi vectors

Product Information

Replication Origin	ori
Selection Marker	Puromycin
Promoter	mPGK
Cloning Method	Enzyme digestion and ligation
Growth Strain(s)	Top10
Comment	pSUPERIOR.puro is a tetracycline-regulated shRNA vector: a tetracycline-responsive H1 promoter variant drives Dox-inducible shRNA transcription, combined with a PGK-puro selection cassette. Enables reversible, inducible RNA interference in mammalian cells expressing the Tet repressor.

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 ℃.