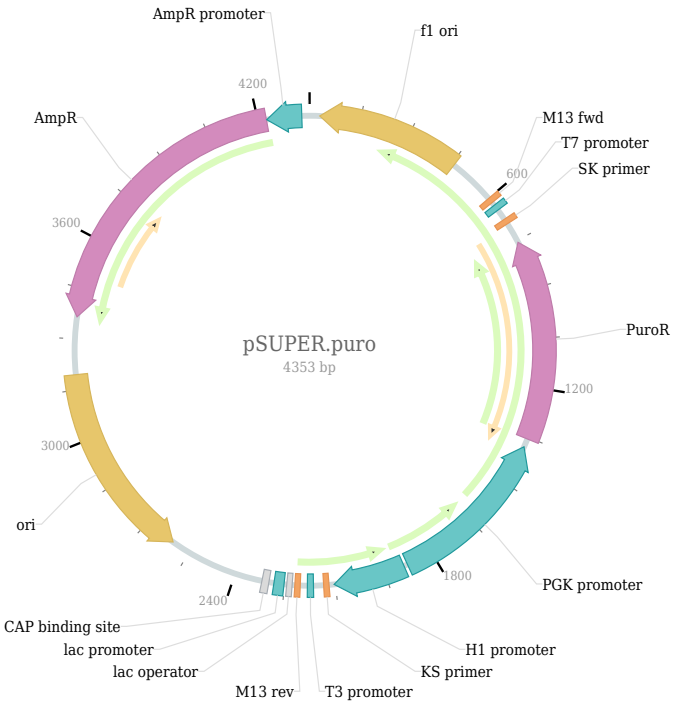
pSUPER.puro

Vector ID	V018113
Antibiotic Resistance	Ampicillin
Length	4353 bp
Vector Type	Mammalian Expression Vectors

Product Information

Selection Marker	Puromycin
Copy Number	High copy number
Promoter	H1
5' Primer	T7: AATACGACTCACTATAG
3' Primer	M13-R: CATGGTCATAGCTGTT
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pSUPER.puro plasmid served as the delivery vector for NHERF1-targeting shRNA and contained a puromycin-resistance gene, enabling the generation of stable PC-3M cell lines with NHERF1 knockdown for subsequent functional analyses.

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 ℃.