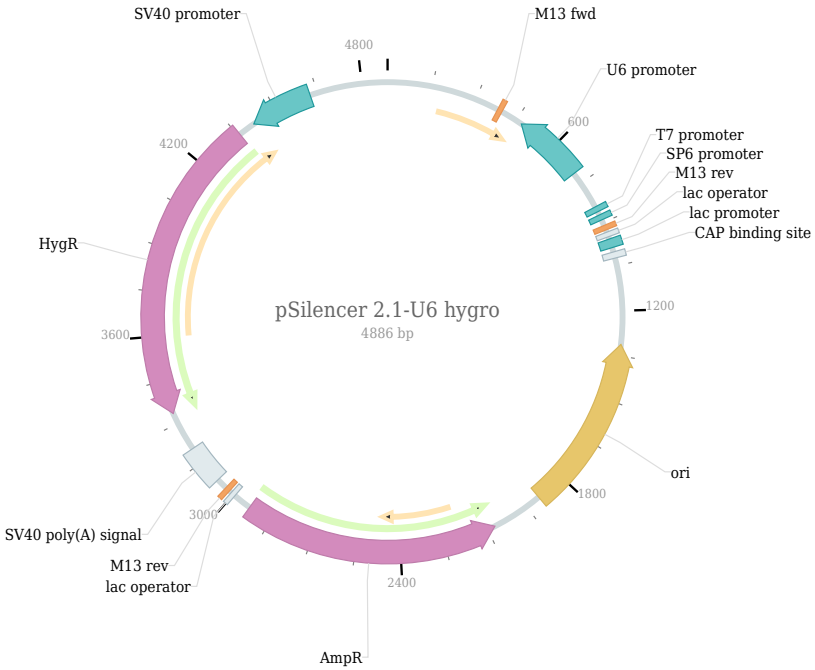
pSilencer 2.1-U6 hygro

Vector ID	V012699
Antibiotic Resistance	Ampicillin
Length	4886 bp
Vector Type	RNAi

Product Information

Replication Origin	ori
Source/Author	Thermo Fisher Scientific
Selection Marker	Hygromycin
Copy Number	High copy number
Promoter	U6
Cloning Method	Enzyme Cut
Growth Temperature	37℃
Expression Method	Transient
Comment	pSilencer 2.1-U6 hygro is an RNA interference (RNAi) vector designed for expressing short hairpin RNAs (shRNAs) in mammalian cells. It uses the U6 promoter to drive shRNA transcription and includes a hygromycin resistance gene (hygro) for selecting stable transfectants, enabling long-term gene silencing studies.

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 ℃.