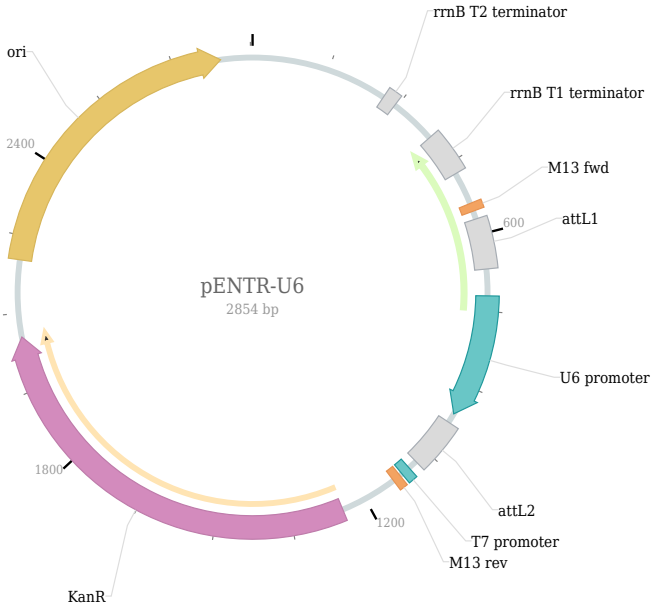
pENTR-U6

载体编号 Vector ID	V014591
抗性 Antibiotic Resistance	Kanamycin
长度 Length	2854 bp
载体类型 Vector Type	RNA interference
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
启动子 Promoter	U6
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	37℃
备注 Comment	The pENTR/U6 is a Gateway entry vector designed for cloning and expressing short hairpin RNA (shRNA) or single-guide RNA (sgRNA) in mammalian cells. It features a human U6 promoter, which is an RNA polymerase III-dependent promoter that drives high-level expression of small RNAs. The vector contains attL sites for efficient Gateway recombination, allowing the shRNA expression cassette to be transferred into various destination vectors (e.g., lentiviral vectors) for stable gene silencing applications. It typically includes a kanamycin resistance gene for selection in E. coli.

质粒图谱



复溶方法

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 ℃.