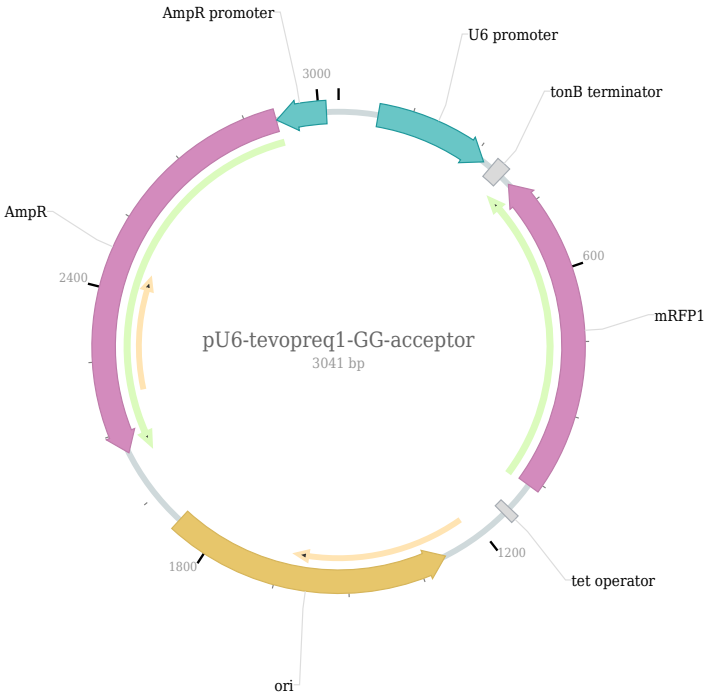
pU6-tevopreq1-GG-acceptor

载体编号 Vector ID	V017185
抗性 Antibiotic Resistance	Ampicillin
长度 Length	3041 bp
载体类型 Vector Type	Gene knockout
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)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pU6-tevopreq1-GG-acceptor is an empty mammalian expression plasmid created by David Liu's lab for cloning engineered pegRNAs (epegRNAs). It carries a human U6 promoter followed by cloning sites and a trimmed evopreQ1 (tevopreQ1) pseudoknot motif at the 3′ end to stabilize transcribed epegRNAs against exonuclease degradation. Researchers insert custom pegRNA spacer, PBS and RT template sequences via Golden Gate assembly to generate complete epegRNA expression constructs for prime editing experiments. This backbone boosts prime editing efficiency across diverse human cell lines without elevating off-target editing when co-delivered with prime editor protein plasmids.

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 ℃.