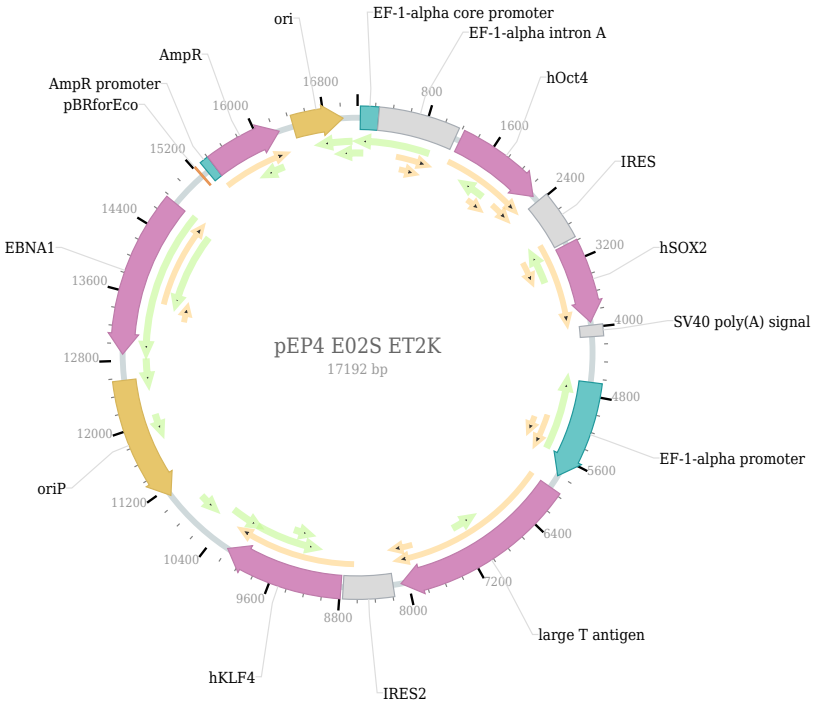
pEP4 E02S ET2K

载体编号 Vector ID	V000770
抗性 Antibiotic Resistance	Ampicillin
长度 Length	17192 bp
载体类型 Vector Type	Episomal/EBNA

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	Low Copy
启动子 Promoter	EF-1α
克隆方法 Cloning Method	Restriction Enzyme
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pEP4-E02S-ET2K is an episomal vector used in the derivation of human iPS cells without integrating into the host genome. It expresses the transcription factors Oct4 and Sox2, as well as SV40 large T antigen (SV40LT) and Klf4, which are crucial for the reprogramming process.

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 ℃.