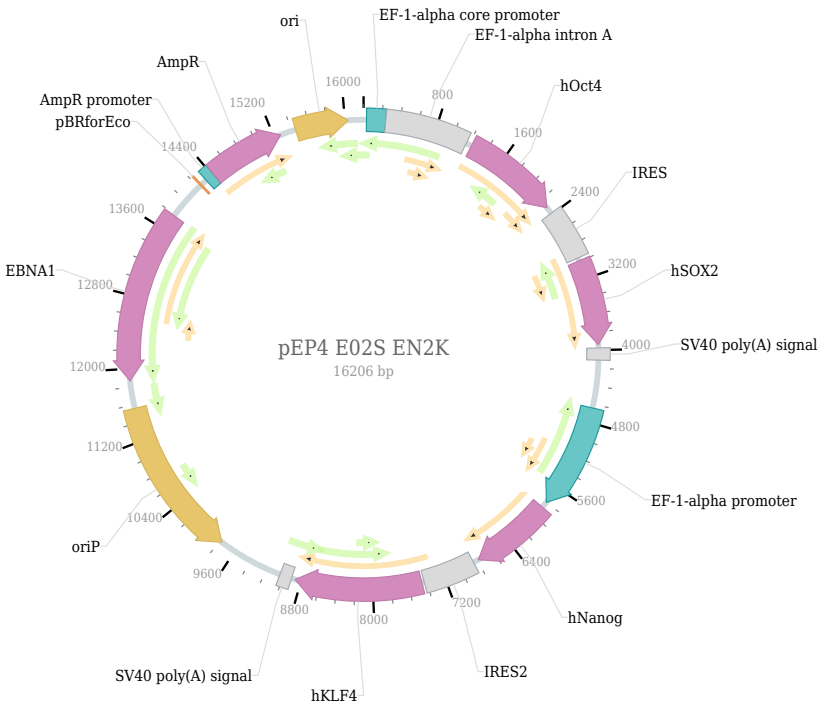
pEP4 E02S EN2K

Vector ID	V000379
Antibiotic Resistance	Ampicillin
Length	16206 bp
Vector Type	Episomal/EBNA

Product Information

Replication Origin	ori
Copy Number	Low Copy
Promoter	EF-1α
Cloning Method	Restriction Enzyme
5' Primer	na
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	pEP4 E02S EN2K is an episomal human iPSC reprogramming vector. It co-expresses Oct4/Sox2 and Nanog/Klf4 from two EF-1α promoters. Includes EBNA-1/oriP for episomal maintenance and AmpR for selection. Non-integrating, ideal for generating transgene-free iPSCs

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 ℃.