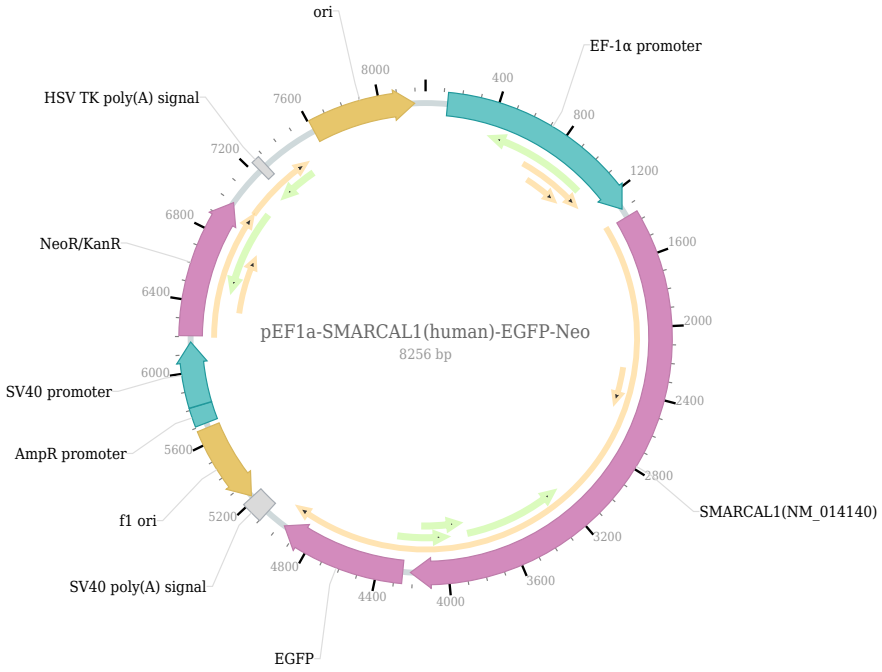
pEF1a-SMARCAL1(human)-EGFP-Neo

Vector ID	V042604
Accession ID	NM_014140.4
Antibiotic Resistance	Kanamycin
Length	8256 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;EGFP
Copy Number	High
Promoter	EF1a
5' Primer	EF1a-R-F
Fusion Tag	EGFP
Growth Strain(s)	DH5a
Growth Temperature	37℃
Expression Method	Transient
Comment	pEF1a-SMARCAL1(human)-EGFP-Neo is an 8256 bp mammalian expression vector. It is designed for expressing the human SMARCAL1 gene fused with EGFP, driven by a strong EF-1α promoter. A NeoR/KanR gene under the SV40 promoter allows for antibiotic selection. The vector also includes an f1 ori for single-stranded DNA production and an AmpR/ori cassette for bacterial propagation.

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 ℃.