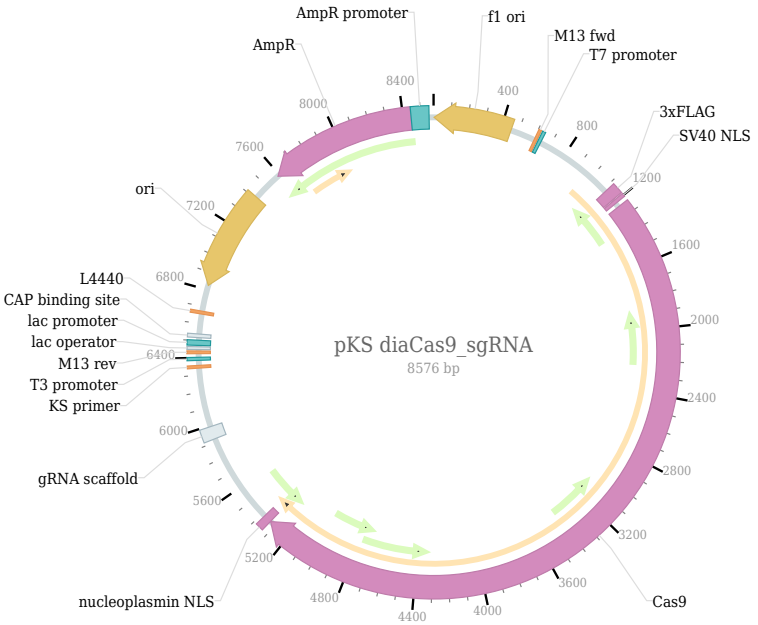
pKS diaCas9_sgRNA

Vector ID	V007631
Antibiotic Resistance	Ampicillin
Length	8576 bp
Vector Type	CRISPR

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	sgRNA module
Cloning Method	Restriction Enzyme
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pKS diaCas9_sgRNA is a plasmid expressing Cas9 codon optimized for Phaeodactylum tricornutum and a sgRNA driven by a U6 promoter.

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 ℃.