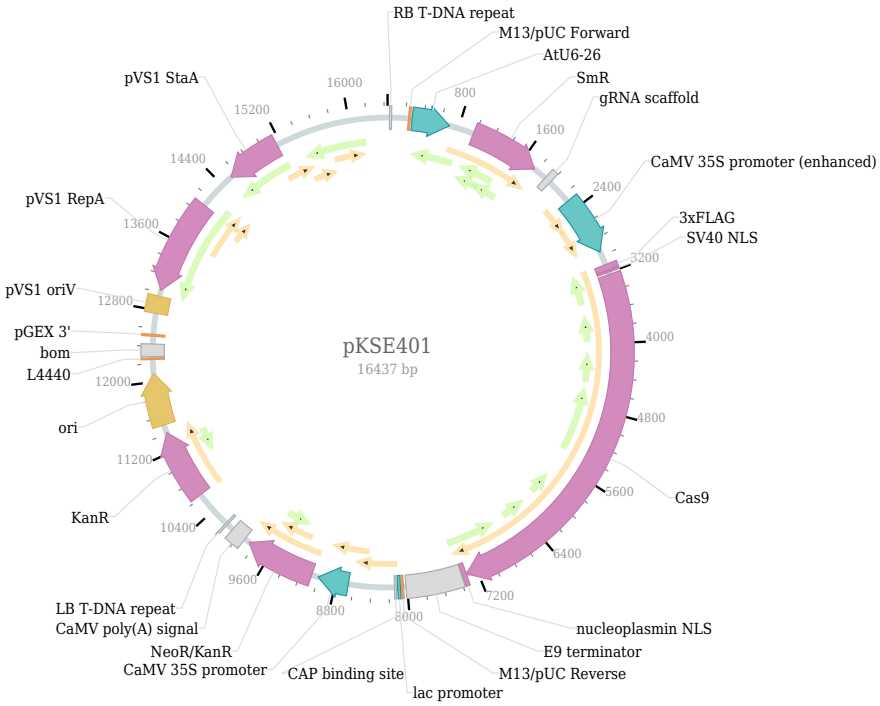
pKSE401

Vector ID	V004207
Antibiotic Resistance	Kanamycin
Length	16437 bp
Vector Type	Plant Expression; Plant binary vector

Product Information

Replication Origin	ori
Selection Marker	Neomycin (select with G418)
Copy Number	High Copy
Promoter	CaMV35S(enhanced)
5' Primer	35 S promoter
Growth Temperature	37℃
Comment	pKSE401 is a plant binary CRISPR/Cas9 vector for multiplex genome editing. It contains a maize-optimized zCas9 gene driven by the 35S promoter and an sgRNA expression cassette under the Arabidopsis U6-26 promoter, with kanamycin resistance for selection in plants.

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 ℃.