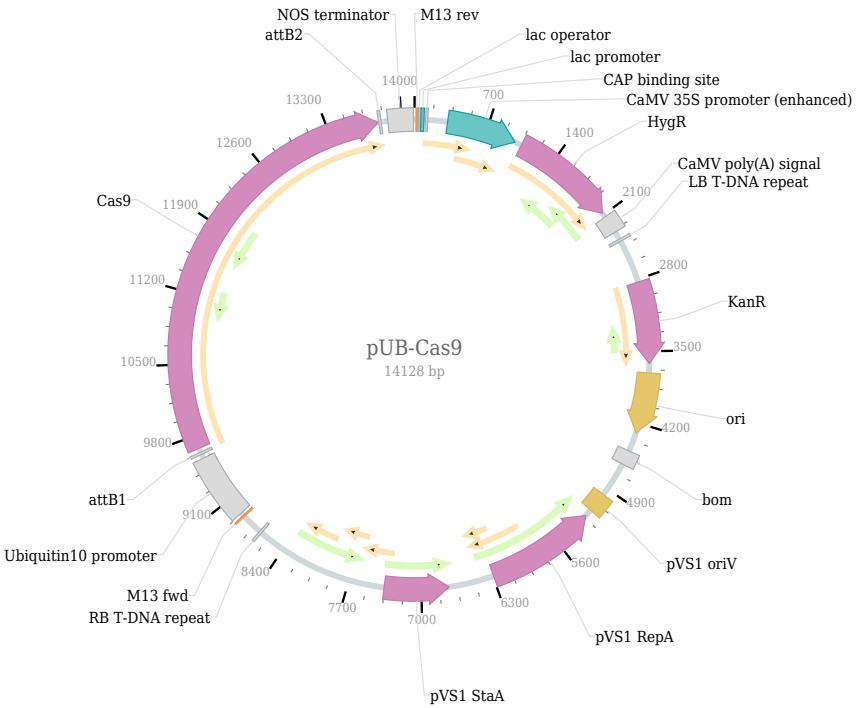
pUB-Cas9

Vector ID	V002456
Antibiotic Resistance	Kanamycin
Length	14128 bp
Vector Type	Cloning vector
Host	Plants

Product Information

Replication Origin	ori
Source/Author	Hahn F, Mantegazza O, Greiner A, Hegemann P, Eisenhut M, Weber AP.
Copy Number	High copy number
Promoter	CaMV 35S (enhanced)
Cloning Method	Gateway Cloning
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	For ubiquitous expression of Cas9 in planta. sgRNA can be introduced as described in Hahn et al. (2017)

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 ℃.