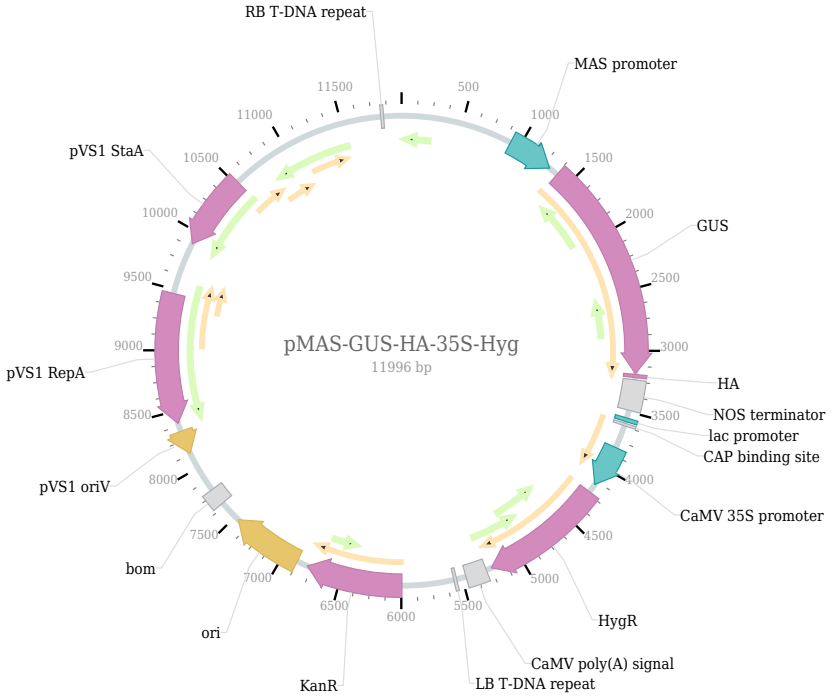
pMAS-GUS-HA-35S-Hyg

Vector ID	V014252
Antibiotic Resistance	Kanamycin
Length	11996 bp
Vector Type	Protein expression
Host	Plants

Product Information

Replication Origin	ori
Selection Marker	Hyg
Promoter	MAS
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pMAS-GUS-HA-35S-Hyg is a plant binary vector combining two expression cassettes: a mannopine synthase (mas) promoter driving a GUS-HA reporter fusion, and a CaMV 35S promoter-driven hygromycin phosphotransferase (hph) marker. Used for Agrobacterium-mediated plant transformation with GUS reporter staining and hygromycin selection.

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 ℃.