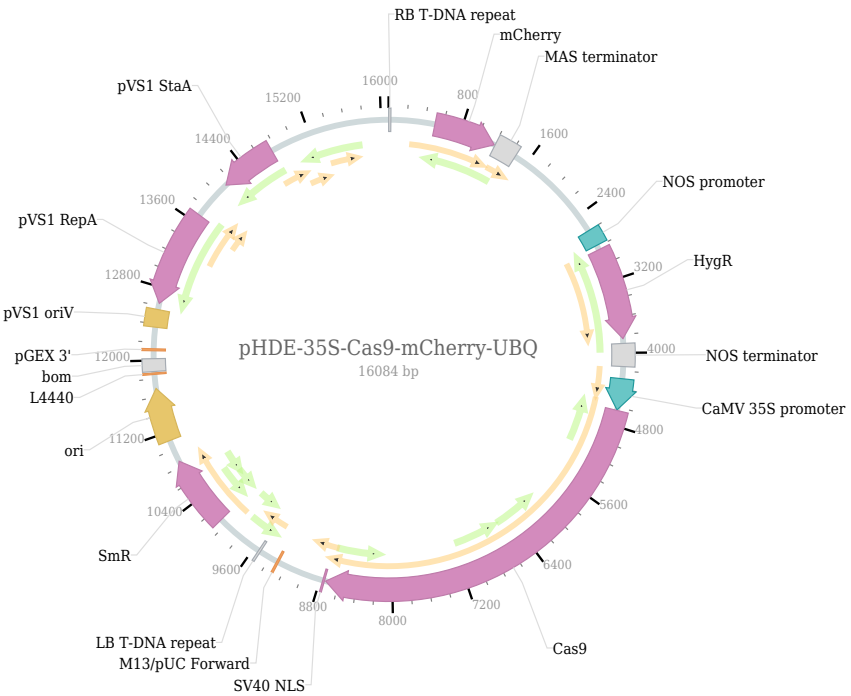
pHDE-35S-Cas9-mCherry-UBQ

Vector ID	V000409
Antibiotic Resistance	Spectinomycin
Length	16084 bp
Vector Type	Plant Expression, CRISPR
Host	Plants

Product Information

Replication Origin	ori
Selection Marker	Hygromycin ; mCherry fluorescence
Promoter	CaMV 35S
Cloning Method	Gibson Cloning
5' Primer	CTGTGGTTGGCATGCACATAC
Growth Strain(s)	stbl3
Comment	The pHDE-35S-Cas9-mCherry-UBQ is for CRISPR/Cas9-mediated gene editing in Arabidopsis, it offers a visual screening method to identify Cas9-free plants and facilitates the generation of two guide RNAs (gRNAs).

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 ℃.