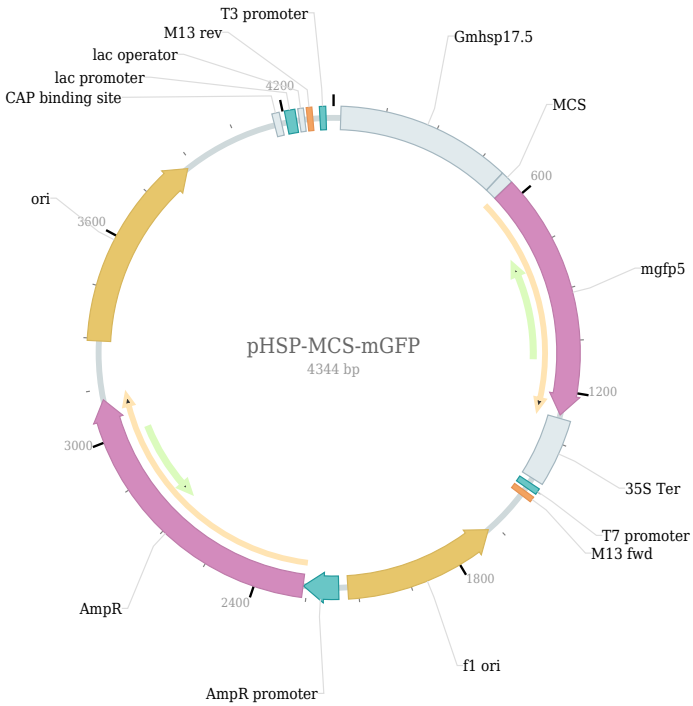
pHSP-MCS-mGFP

Vector ID	V005485
Antibiotic Resistance	Ampicillin
Length	4344 bp
Vector Type	Cloning vector

Product Information

Replication Origin	ori
Source/Author	Saidi Y, Moody LA, Coates JC.
Comment	pHSP-MCS-mGFP (GenBank KP893621; Saidi, Moody & Coates) is a plant heat-shock reporter vector. The soybean Gmhsp17.5 promoter drives stress-inducible expression of genes cloned into the MCS as C-terminal fusions to mGFP5, a folding-enhanced GFP. A 35S terminator, T7/T3 promoters, f1 origin and AmpR complete the pUC/pBluescript-derived backbone for plant stress-response studies.

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 ℃.