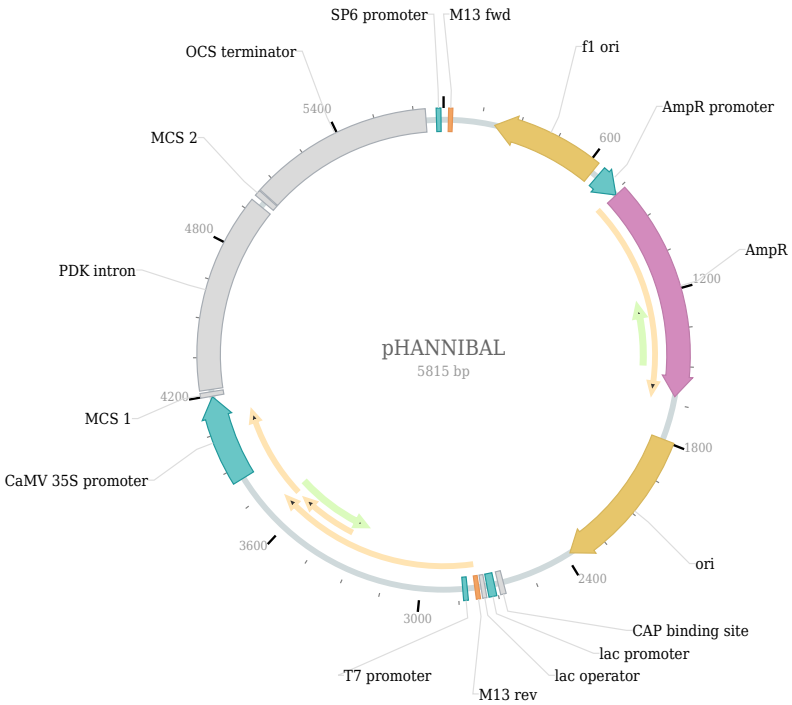
pHANNIBAL

Vector ID	V010843
Antibiotic Resistance	Ampicillin
Length	5815 bp
Vector Type	Plant Vectors
Host	Plants

Product Information

Replication Origin	ori
Source/Author	Wesley SV, Helliwell CA, Smith NA, Wang MB, Rouse DT, Liu Q, Gooding
Copy Number	High copy number
Promoter	CaMV 35S
Growth Strain(s)	JM108
Growth Temperature	37℃
Comment	The pHANNIBAL plasmid is a widely used RNA interference (RNAi) vector in plant molecular biology. It allows for the efficient expression of hairpin RNA structures designed to silence specific target genes. This enables researchers to study gene function by knocking down gene expression in plant systems.

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 ℃.