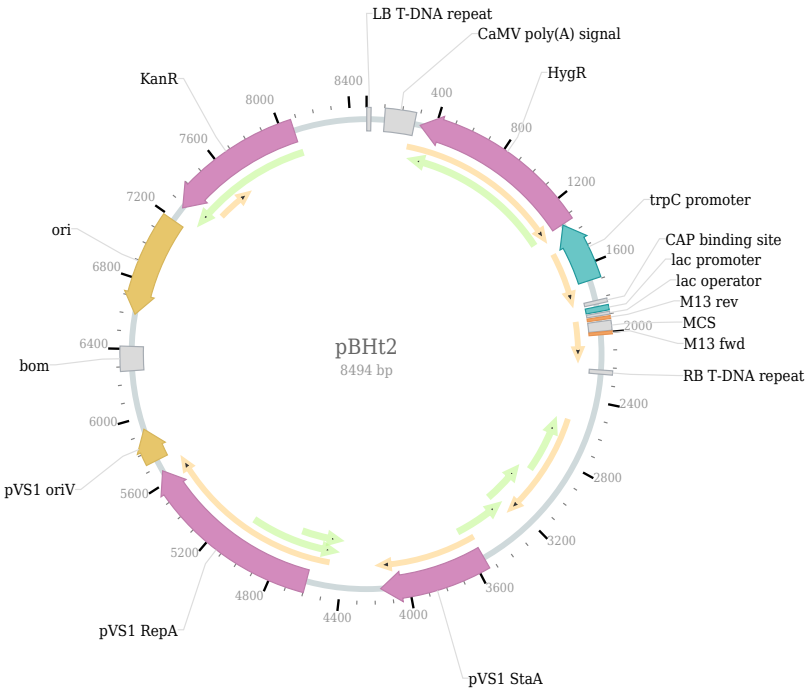
pBHt2

Vector ID	V017363
Antibiotic Resistance	Kanamycin
Length	8494 bp
Vector Type	Protein expression
Host	Hyphal fungi

Product Information

Replication Origin	ori
Selection Marker	Hyg
Promoter	trpC
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pBHt2 is an 8.4 kb Agrobacterium binary vector modified from pCAMBIA1300 for fungal ATMT (Agrobacterium tumefaciens-mediated transformation). It carries an hph selection cassette driven by the Aspergillus nidulans trpC promoter and nine unique cloning sites within T-DNA borders. Compared with the older pUR5750, its smaller size greatly facilitates foreign gene cloning in phytopathogenic fungi like Fusarium oxysporum. It yields high transformation efficiency and serves as the intermediate backbone to construct the plasmid-rescue vector pKHt.

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 ℃.