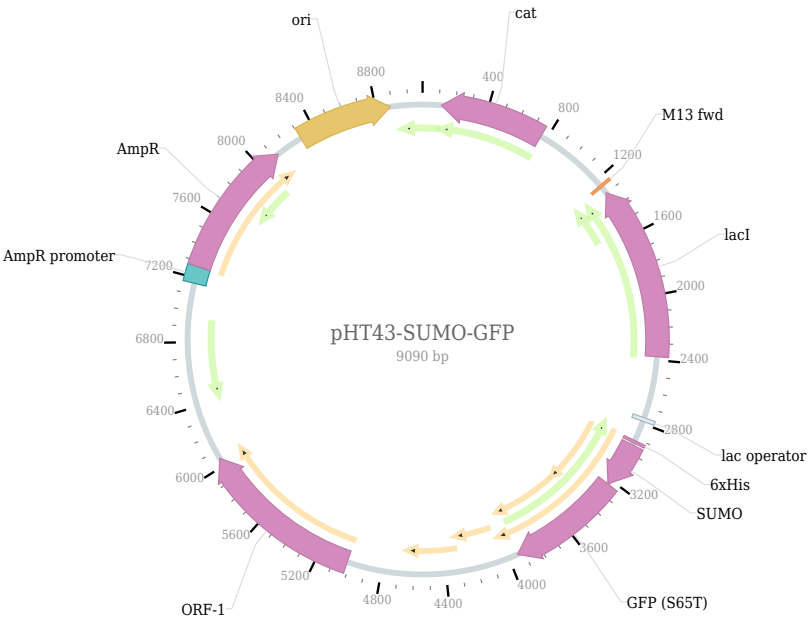
pHT43-SUMO-GFP

Vector ID	V013558
Antibiotic Resistance	Ampicillin
Length	9090 bp
Vector Type	Protein expression, Secretory expression
Host	Bacillus subtilis

Product Information

Replication Origin	ori
Selection Marker	Chl
Promoter	Pgrac
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pHT43-SUMO-GFP is a B. subtilis secretion-expression derivative of pHT43. The IPTG-inducible Pgrac promoter (groESL-lac) drives SUMO-GFP expression, with the SUMO tag enhancing solubility and permitting precise cleavage. Ampicillin (E. coli) and chloramphenicol (B. subtilis) resistance.

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 ℃.