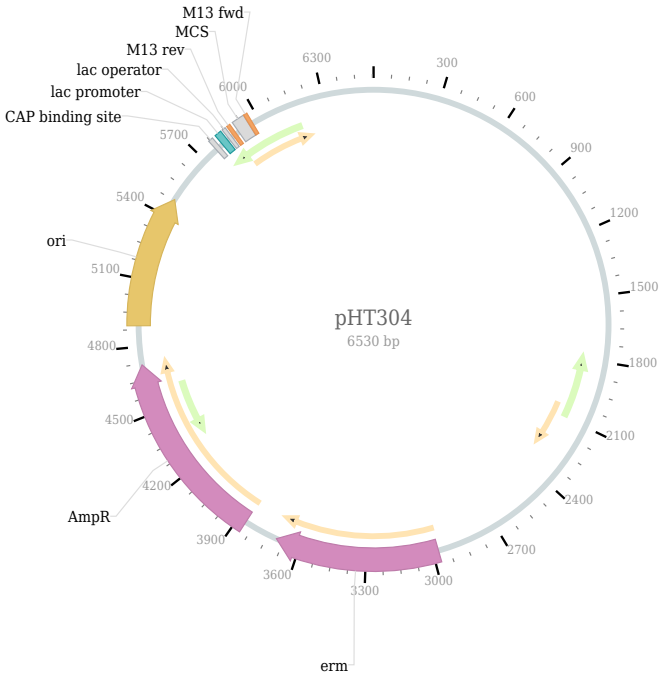
pHT304

载体编号 Vector ID	V001727
抗性 Antibiotic Resistance	Ampicillin, Erythromycin
长度 Length	6530 bp
载体类型 Vector Type	Bacillus subtilis expression vectors

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High copy number
克隆方法 Cloning Method	Enzyme digestion and ligation
培养菌株 Growth Strain(s)	stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pHT304 is a shuttle vector designed for use in Bacillus subtilis and Escherichia coli. It has a size of 6530 bp and contains a lac promoter system, which can be induced by IPTG. This vector features an erythromycin resistance marker (ERM) for selection in Gram-positive hosts like Bacillusand an ampicillin resistance gene (AmpR) for selection in E. coli. It is based on a ColE1 origin for replication in E. coliand is classified as a wide host series plasmid for Bacillus subtilis. pHT304 is noted for its stability in Bacillusspecies and has been widely used as a backbone for constructing specialized vectors, such as promoter-trapping systems for studying gene expression during bacterial infection.

质粒图谱



复溶方法

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 ℃.