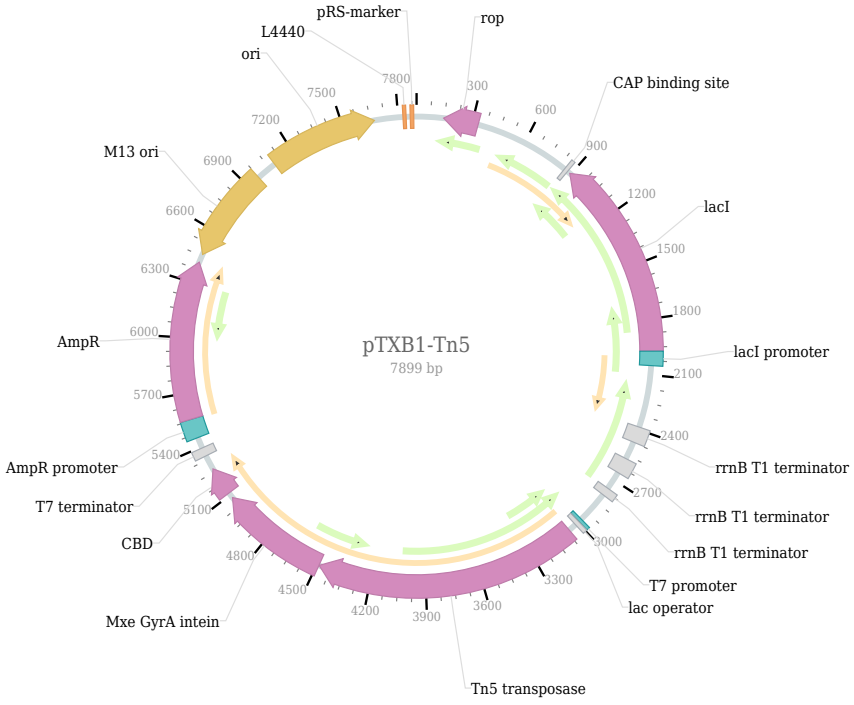
pTXB1-Tn5

载体编号 Vector ID	V012392
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7899 bp
载体类型 Vector Type	Bacterial Expression

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High Copy
启动子 Promoter	T7 promoter
克隆方法 Cloning Method	Restriction Enzyme
5' 引物 5' Primer	T7 promoter primer
3' 引物 3' Primer	GATTGCCATGCCGGTCAAGG
培养菌株 Growth Strain(s)	stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pTXB1-Tn5 is a plasmid designed for IPTG-inducible expression of a fusion protein consisting of Transposon Tn5, Mxe Intein, and a Chitin-binding domain. This construct enables controlled production and purification of active Tn5 transposase using intein-mediated protein splicing and chitin affinity chromatography.

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 ℃.