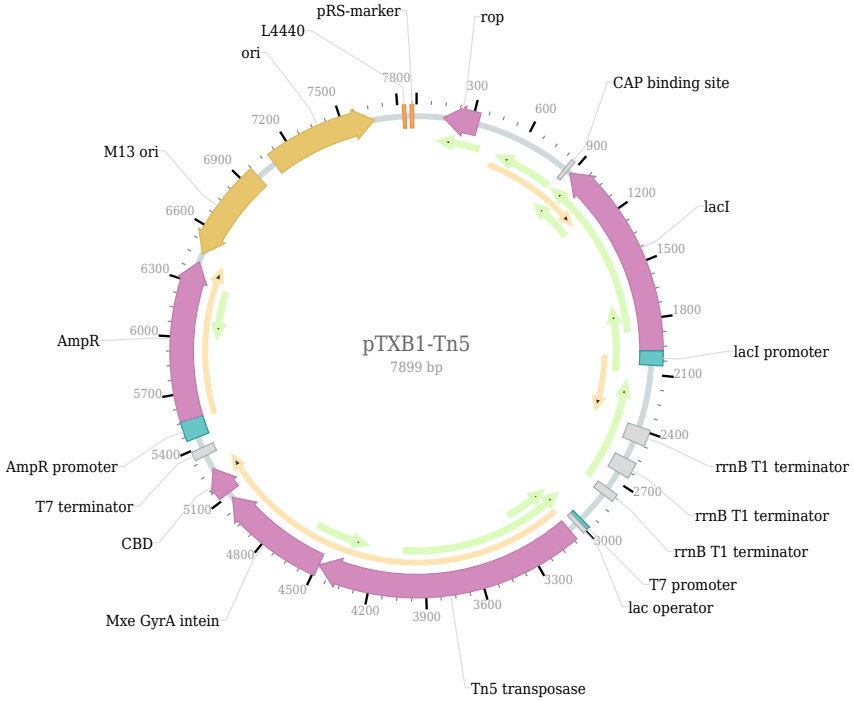
pTXB1-Tn5

Vector ID	V012392
Antibiotic Resistance	Ampicillin
Length	7899 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	T7 promoter
Cloning Method	Restriction Enzyme
5' Primer	T7 promoter primer
3' Primer	GATTGCCATGCCGGTCAAGG
Growth Strain(s)	stbl3
Growth Temperature	37℃
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.

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 ℃.