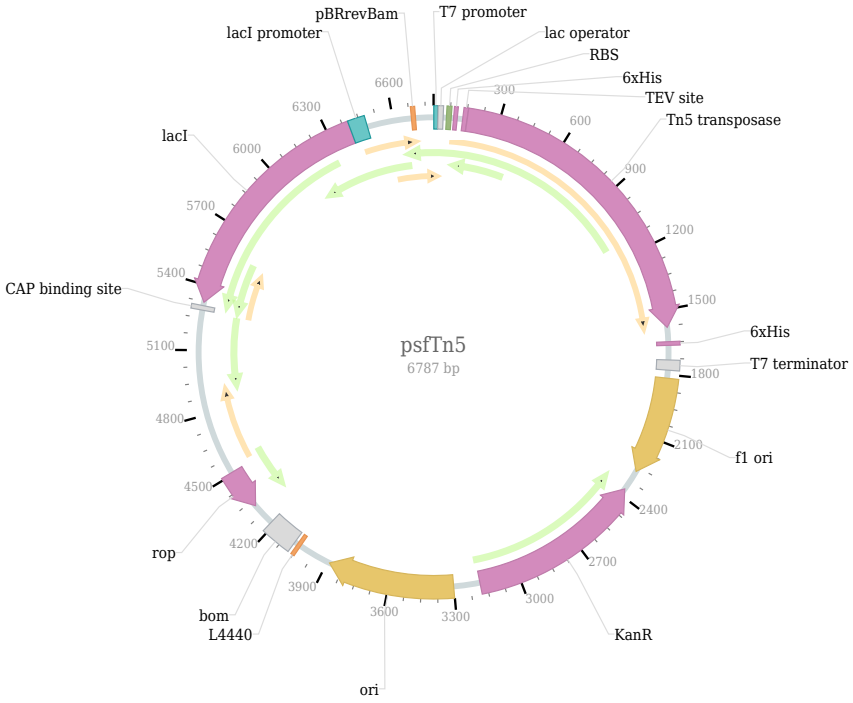
psfTn5

Vector ID	V000063
Antibiotic Resistance	Kanamycin
Length	6787 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	ori
Cloning Method	Ligation Independent Cloning
5' Primer	T7
3' Primer	T7 terminal
Growth Strain(s)	DH10B
Comment	psfTn5 is a pNIC-Bsa4 bacterial expression plasmid. Its T7 promoter drives N-terminally 6×His-tagged hyperactive Tn5 transposase carrying E54K and L372P mutations, for purification and assembly into tagmentation complexes used in ATAC-seq/scRNA-seq library preparation.

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 ℃.