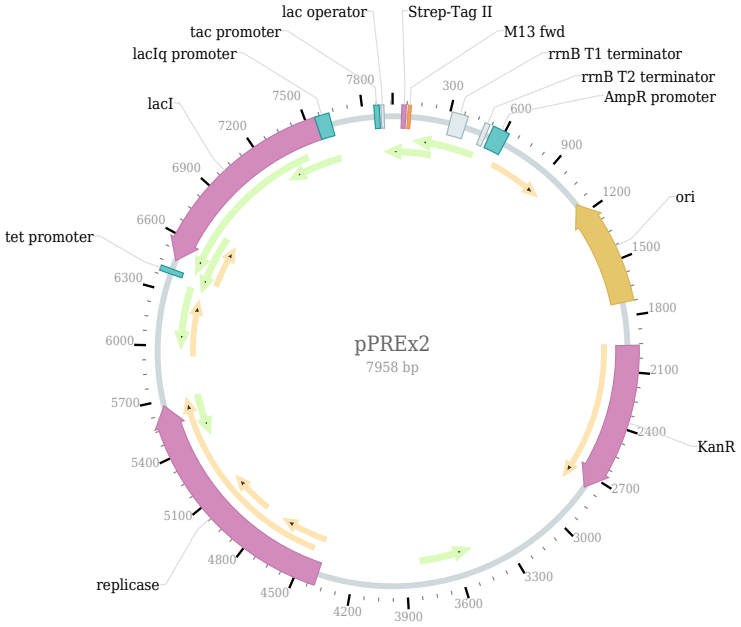
pPREx2

Vector ID	V015660
Antibiotic Resistance	Kanamycin
Length	7958 bp
Vector Type	Shuttle-expression vector

Product Information

Replication Origin	ori
Source/Author	Bakkes PJ, Ramp P, Bida A, Dohmen-Olma D
Growth Strain(s)	JM109
Comment	pPREx2 is a 7958 bp bacterial expression vector. It is designed for tight gene regulation and protein production in E. coli, featuring dual expression systems controlled by the tet and strong tac promoters. The multiple cloning site (MCS) allows for gene insertion, with options for N-terminal Strep-Tag II or C-terminal His-tagging. It includes both AmpR and KanR resistance genes, an origin of replication (ori), and a replicase gene for high-copy maintenance.

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 ℃.