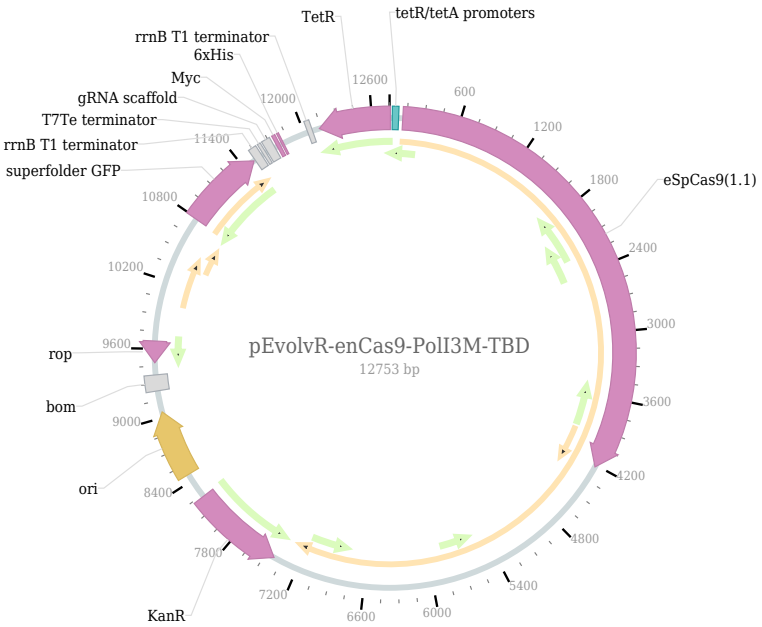
pEvolvR-enCas9-PolI3M-TBD

Vector ID	V000446
Antibiotic Resistance	Kanamycin
Length	12753 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	ori
Copy Number	Low Copy
Promoter	tetR/tetAs
Comment	pEvolvR-enCas9-PolI3M-TBD is a bacterial vector for continuous directed evolution. It uses an error-prone DNA polymerase (PolI3M) fused to a nickase Cas9 (enCas9) to introduce targeted mutations within a tunable genomic window, enabling in vivo protein diversification in E. coli.

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 ℃.