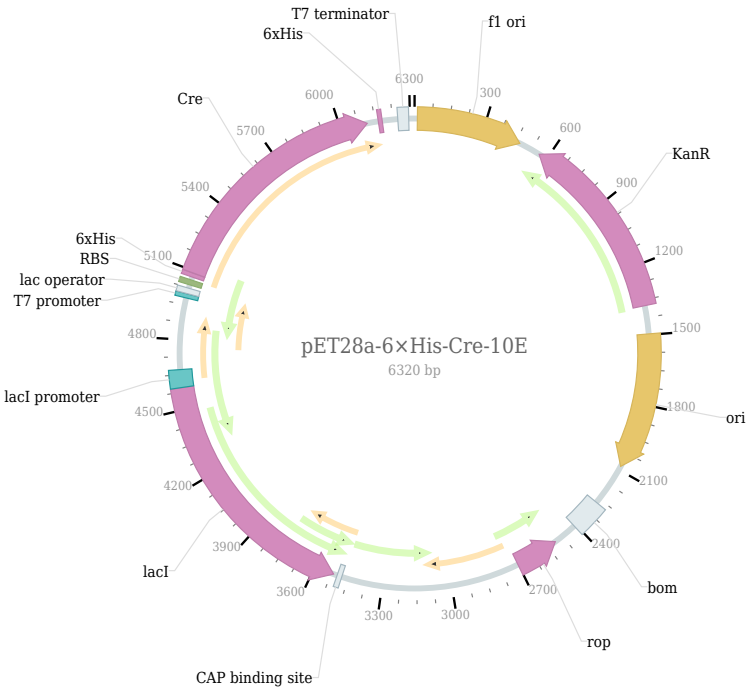
pET28a-6×His-Cre-10E

Vector ID	V013141
Antibiotic Resistance	Kanamycin
Length	6320 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T7
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pET28a-6xHis-Cre-10E is a T7-driven prokaryotic expression vector conferring kanamycin resistance. It produces Cre recombinase with an N-terminal 6×His tag and a C-terminal 10-glutamate (10E / poly-Glu) fusion tag. The poly-Glu tag enhances protein solubility and enables auxiliary anion-exchange purification of recombinant Cre for in-vitro loxP site-specific recombination assays.

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 ℃.