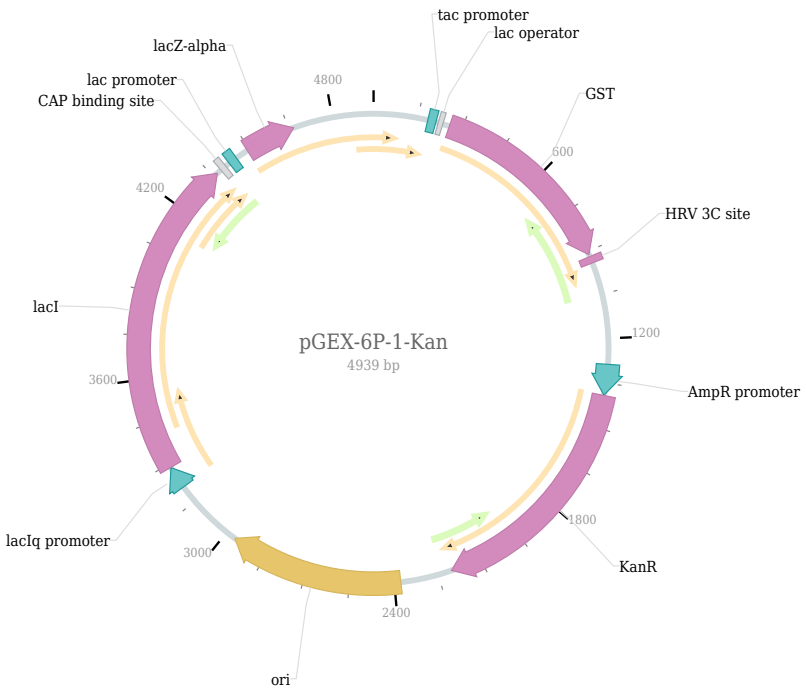
pGEX-6P-1-Kan

Vector ID	V013063
Accession ID	pGEX6P-1-Kan
Antibiotic Resistance	Kanamycin
Length	4939 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	Tac
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pGEX-6P-1-Kan (4.9 kb) is a bacterial expression vector for IPTG-inducible production of GST-tagged fusion proteins. It features a tac promoter, lac operator, GST tag, HRV 3C protease site, and KanR (kanamycin resistance) for selection. The high-copy pBR322 origin enables high plasmid yield

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 ℃.