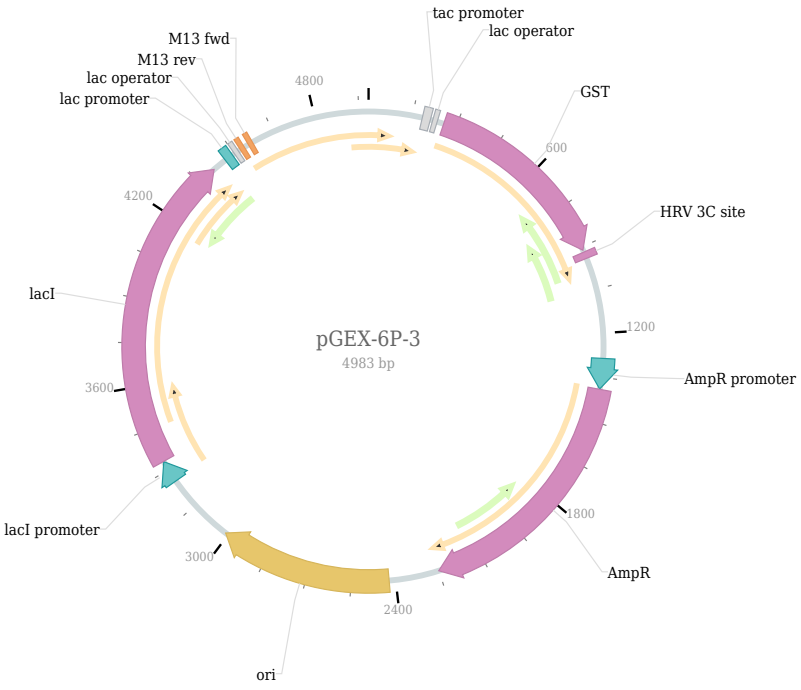
pGEX-6P-3

Vector ID	V010910
Antibiotic Resistance	Ampicillin
Length	4983 bp
Vector Type	pGEX Vectors (GE Healthcare)

Product Information

Replication Origin	ori
Source/Author	GE Healthcare
Copy Number	High copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pGEX-6P-3 is a GST fusion expression vector for high-level, IPTG-inducible expression of recombinant proteins in E. coli (tac promoter, AmpR, internal lacIq). The N-terminal GST tag enables one-step affinity purification on Glutathione Sepharose under mild conditions, while the PreScission (HRV 3C) protease site between GST and the MCS allows on-column removal of the tag, yielding native, tag-free protein.

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 ℃.