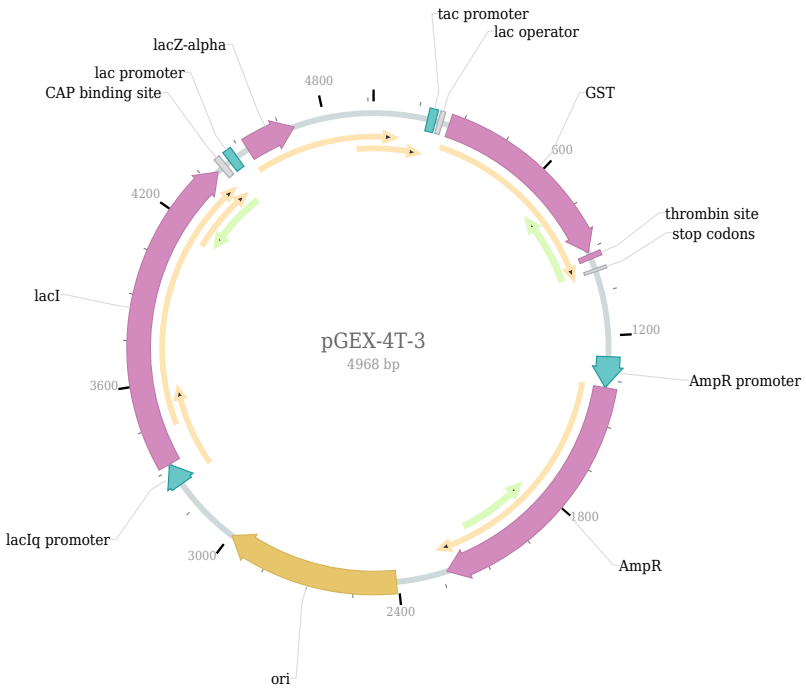
pGEX-4T-3

Vector ID	V010916
Antibiotic Resistance	Ampicillin
Length	4968 bp
Vector Type	pGEX Vectors (GE Healthcare)

Product Information

Replication Origin	ori
Source/Author	GE Healthcare
Copy Number	High copy number
Growth Temperature	37℃
Comment	pGEX-4T-3 is an E. coli protein expression vector (~4.9 kb). It uses the tac promoter (IPTG-inducible) to express recombinant proteins as fusions with an N-terminal GST tag. The vector contains a thrombin cleavage site for tag removal and carries an ampicillin resistance gene for selection.

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 ℃.