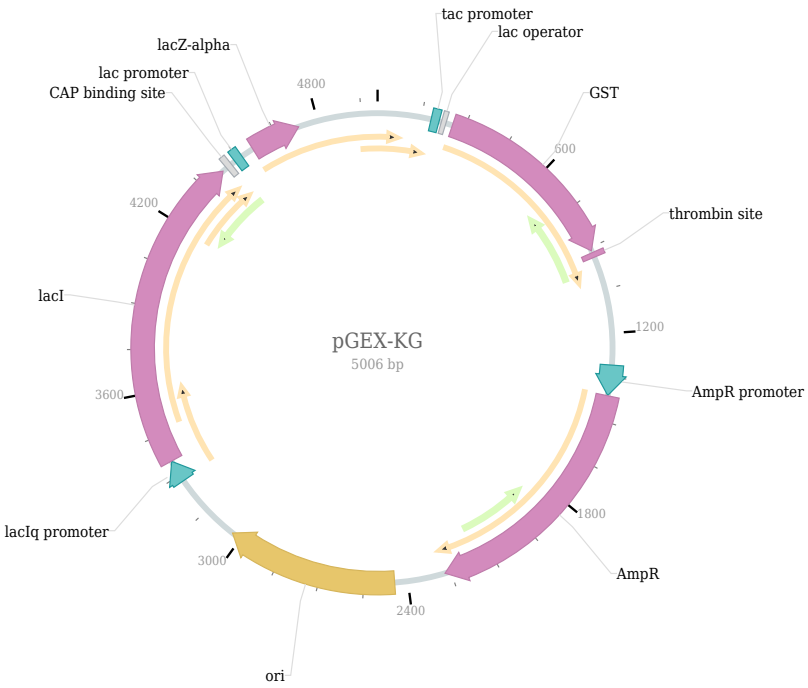
pGEX-KG

载体编号 Vector ID	V012841
登录号 Accession ID	pGEXKG
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5006 bp
载体类型 Vector Type	Protein expression
宿主 Host	E. coli

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High copy number
启动子 Promoter	Tac
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	37℃
备注 Comment	pGEX-KG is a bacterial expression vector for high-level production of proteins fused with GST (glutathione S-transferase). The tac promoter (with lac operator) enables IPTG-inducible expression of the fusion protein. An N-terminal thrombin protease site and a downstream glycine-rich "kinker" sequence improve cleavage efficiency to release the target protein from GST . The vector also includes AmpR (ampicillin resistance) for selection, a ColE1 ori for high-copy replication, and lacIq for tight transcriptional regulation.

质粒图谱



复溶方法

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 ℃.