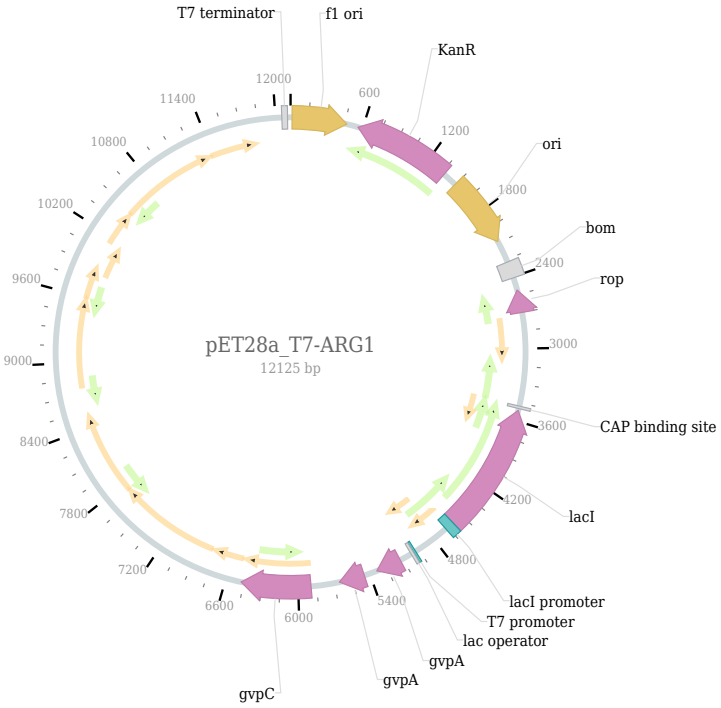
pET28a_T7-ARG1

Vector ID	V016866
Antibiotic Resistance	Kanamycin
Length	12125 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T7
Growth Strain(s)	JM109
Growth Temperature	37℃
Comment	pET28a_T7-ARG1 is a pET28a bacterial expression plasmid using a T7 promoter to express ARG1, a hybrid gas-vesicle/acoustic reporter gene cluster from Anabaena flos-aquae and Bacillus megaterium in E. coli for IPTG-inducible gas-vesicle production and ultrasound imaging.

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 ℃.