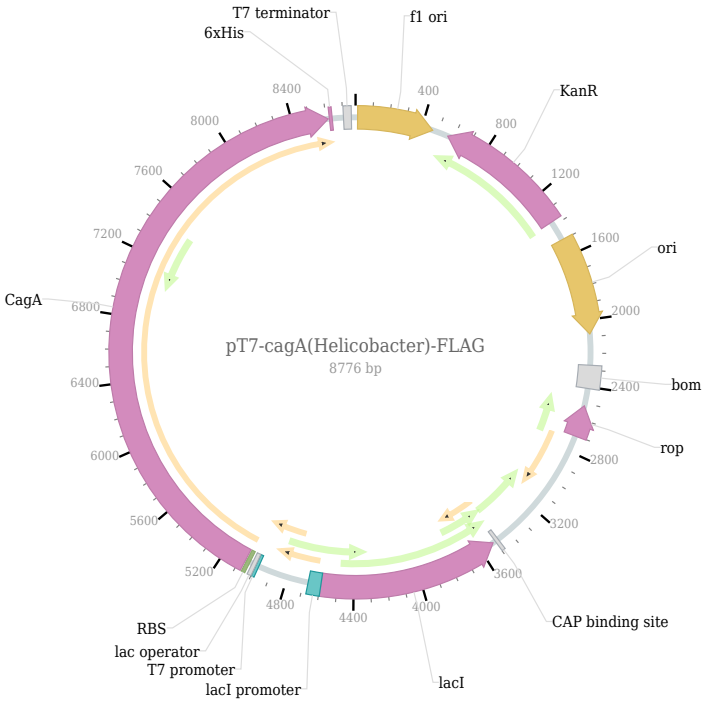
pT7-cagA(Helicobacter)-FLAG

Vector ID	V014528
Antibiotic Resistance	Kanamycin
Length	8776 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Copy Number	Low
Promoter	T7
Growth Temperature	37℃
Comment	pT7-cagA(Helicobacter)-FLAG is a T7 promoter expression construct encoding full-length Helicobacter pylori CagA oncoprotein with a FLAG epitope tag. Used for bacterial and in vitro expression of CagA to study its host-cell delivery, tyrosine phosphorylation, and SHP-2-dependent signaling (Higashi et al. 2002).

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 ℃.