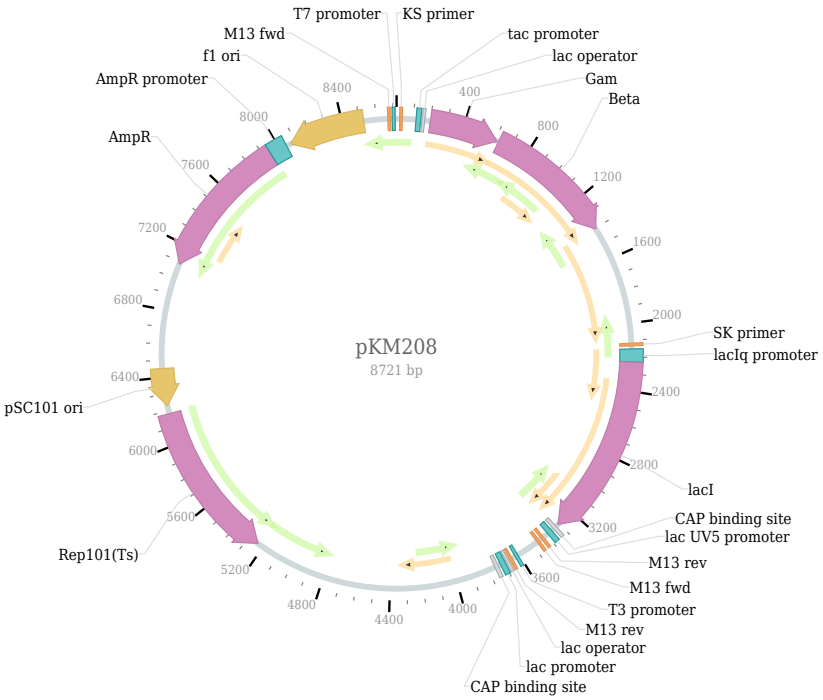
pKM208

Vector ID	V014396
Antibiotic Resistance	Ampicillin
Length	8721 bp
Vector Type	Genome editing
Host	E. coli

Product Information

Replication Origin	pSC101 ori
Copy Number	Low Copy
Promoter	Tac
Growth Strain(s)	DH10B
Growth Temperature	30℃
Comment	To maintain tight control over the expression of the red and gam genes before IPTG induction, a variation of pKM201 was constructed (pKM208) that expresses the lacI repressor gene. Notably, both pKM208 and the original pKM201 plasmid incorporate temperature-sensitive origins of replication. This design allows for convenient removal of these plasmids post-gene replacement.

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 ℃.