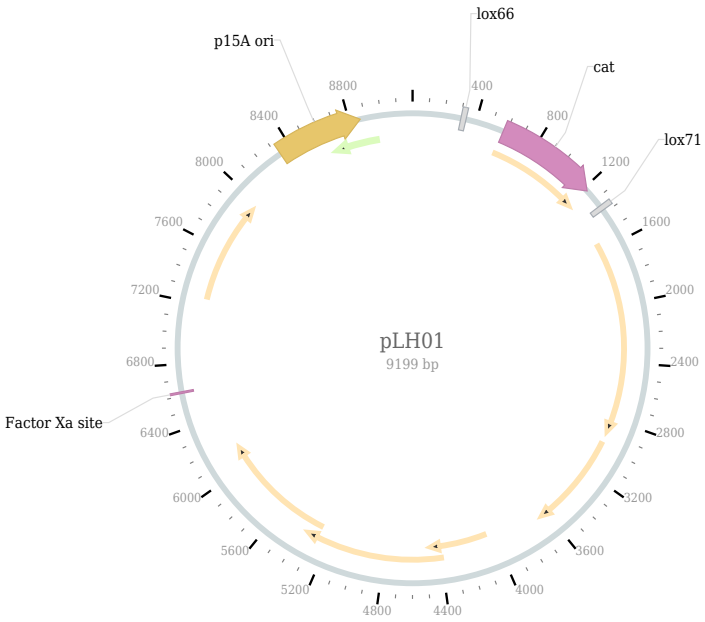
pLH01

Vector ID	V016725
Antibiotic Resistance	Chloramphenicol
Length	9199 bp
Vector Type	Gene knockout
Host	Lactobacillus plantarum

Product Information

Replication Origin	p15A ori
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pLH01 is a 9,199 bp plasmid vector designed for genetic engineering in lactic acid bacteria like Lactobacillus plantarum. It features a chloramphenicol resistance marker (12.5 μg/mL) for selection and a p15A origin of replication, making it a low-copy-number vector. It is widely used for CRISPR-based genome editing and heterologous gene expression studies in these bacterial hosts.

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 ℃.