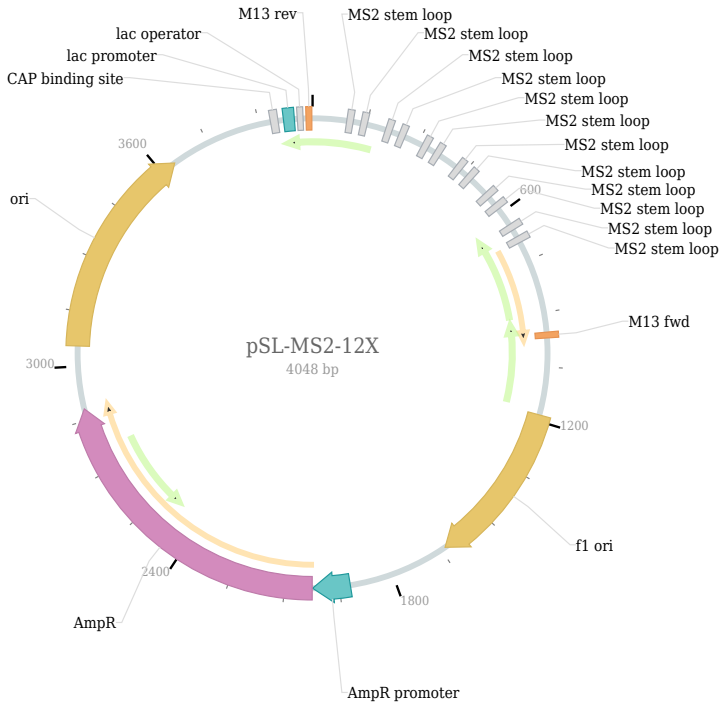
pSL-MS2-12X

Vector ID	V007027
Antibiotic Resistance	Ampicillin
Length	4048 bp
Vector Type	Prokaryotic Expression Vectors

Product Information

Replication Origin	ori
Promoter	lac
Growth Strain(s)	Stbl3
Comment	The pSL-MS2-12X vector (4048 bp) is designed for inducible protein expression in bacteria. The lacpromoter, along with the CAP binding site and operator, drives the expression of the target gene cloned into the MCS, which consists of twelve tandem MS2 stem loops. This array facilitates RNA imaging. It also includes an AmpRgene under the AmpRpromoter for antibiotic selection, an orifor replication, and f1 oriplus M13 sequencing primers for cloning purposes.

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 ℃.