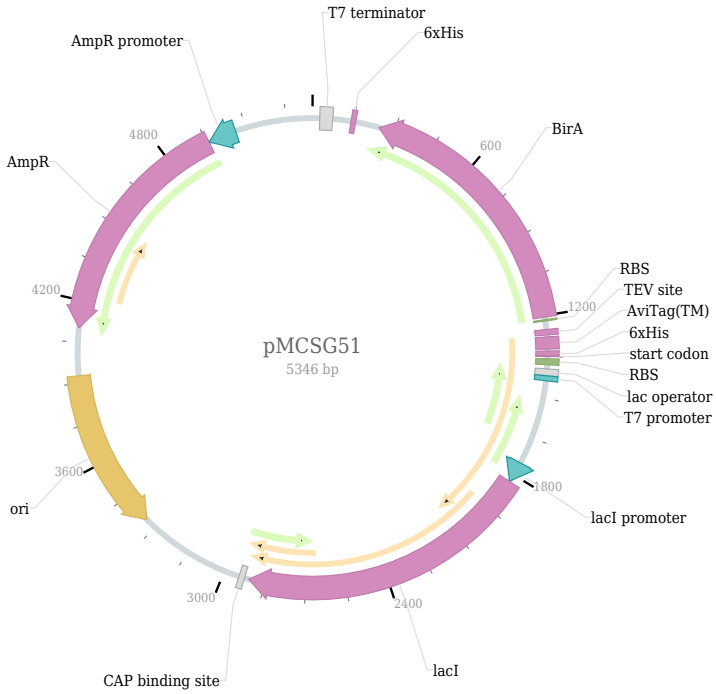
pMCSG51

Vector ID	V010645
Antibiotic Resistance	Ampicillin
Length	5346 bp
Vector Type	Structural Genomics Vectors

Product Information

Replication Origin	ori
Source/Author	Eschenfeldt WH, Makowska-Grzyska M, Stols L, Donnelly MI,
Copy Number	High copy number
Growth Strain(s)	DH10B
Comment	pMCSG51 is a ligation-independent cloning (LIC) expression vector from the Midwest Center for Structural Genomics (MCSG), pMCSG7-derived. Provides a T7 promoter, N-terminal His6 tag, and TEV protease cleavage site for high-throughput structural biology expression of recombinant proteins in E. coli.

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 ℃.