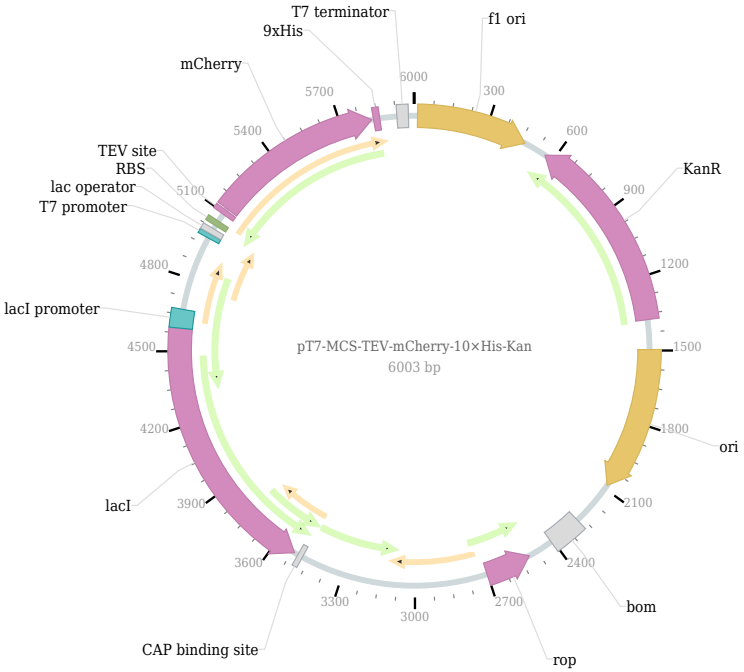
pT7-MCS-TEV-mCherry-10×His-Kan

Vector ID	V017608
Antibiotic Resistance	Kanamycin
Length	6003 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T7
5' Primer	T7
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pT7-MCS-TEV-mCherry-10xHis-Kan is a bacterial expression vector for producing red fluorescent fusion proteins. It features a T7 promoter driving an MCS (multiple cloning site), followed by a TEV protease cleavage site, mCherry (red fluorescent protein), and a 10xHis tag for affinity purification. Selection is provided by KanR (kanamycin resistance).

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 ℃.