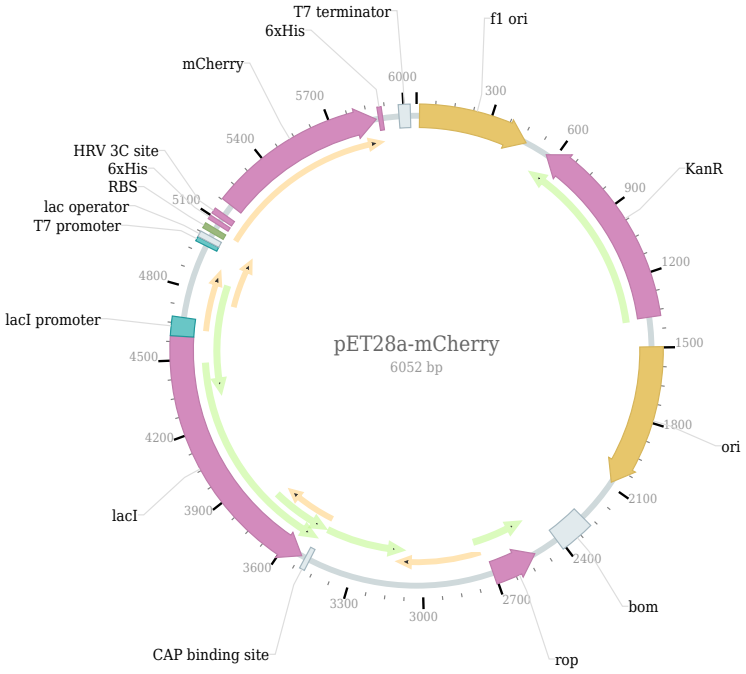
pET28a-mCherry

Vector ID	V012844
Accession ID	pET-28a-mCherry
Antibiotic Resistance	Kanamycin
Length	6052 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T7
Growth Strain(s)	JM108
Growth Temperature	37℃
Comment	pET28a-mCherry is designed to express the mCherry fluorescent protein fused with an N-terminal 6xHis tag, driven by the T7 promoter. The vector includes the lac operator and lacI repressor for tight regulation, an HRV 3C protease site for tag removal, and the KanR gene for antibiotic selection in E.coli. It also features the T7 terminator and f1 ori for proper transcription and replication.

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 ℃.