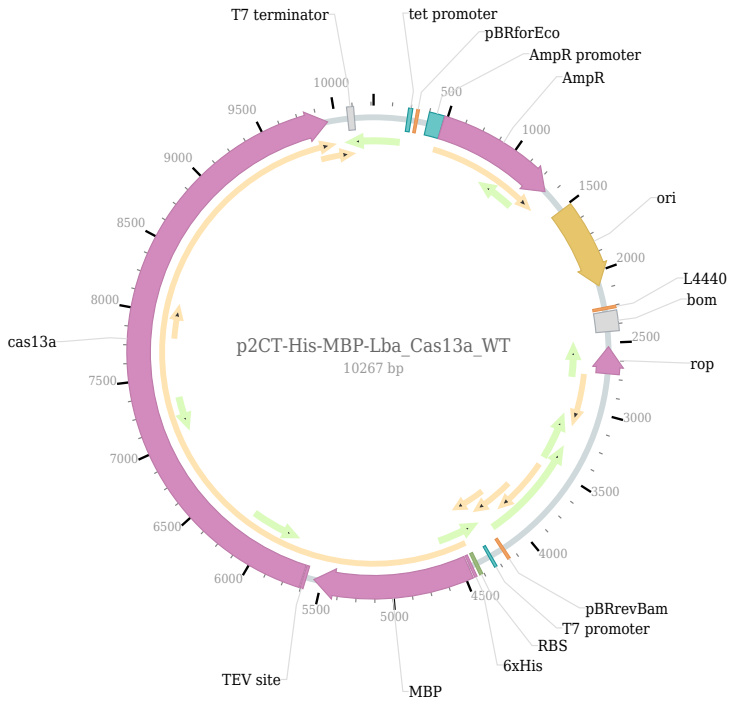
p2CT-His-MBP-Lba_Cas13a_WT

Vector ID	V000836
Antibiotic Resistance	Ampicillin
Length	10267 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	tet
Cloning Method	Ligation Independent Cloning
Growth Strain(s)	DH10B
Comment	p2CT-His-MBP-Lba_Cas13a_WT is employed for prokaryotic expression of the dual-tagged LbaCas13a wild-type protein, enabling validation of its RNA-targeting binding and cleavage activity. This provides a tool for orthogonality studies of VI-A type CRISPR-Cas enzymes.

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 ℃.