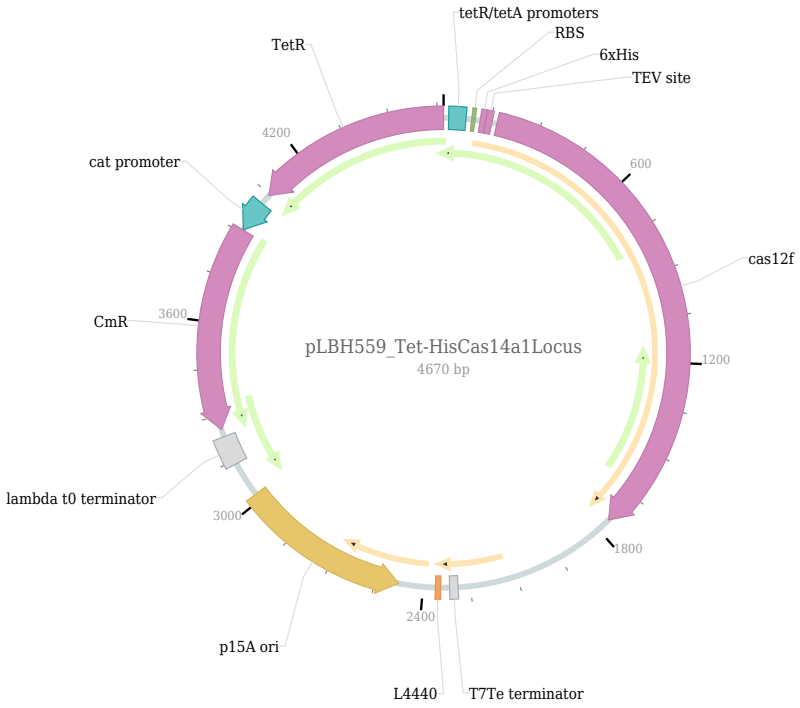
pLBH559_Tet-HisCas14a1Locus

Vector ID	V007150
Antibiotic Resistance	Chloramphenicol
Length	4670 bp
Vector Type	Bacterial Expression, CRISPR

Product Information

Replication Origin	p15A ori
Copy Number	Low Copy
Promoter	Tet
Cloning Method	Gibson Cloning
5' Primer	gtgccgatcaacgtAtcattttcg
3' Primer	acgcagaaaggcccacccgaag
Growth Strain(s)	JM109
Comment	pLBH559_Tet-HisCas14a1Locus provides the Cas14a1 gene for experimental use, facilitating its cloning into pET28a, induction of expression, and purification of the Cas14a1 protein for nucleic acid diagnosis of spinal muscular atrophy.

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 ℃.