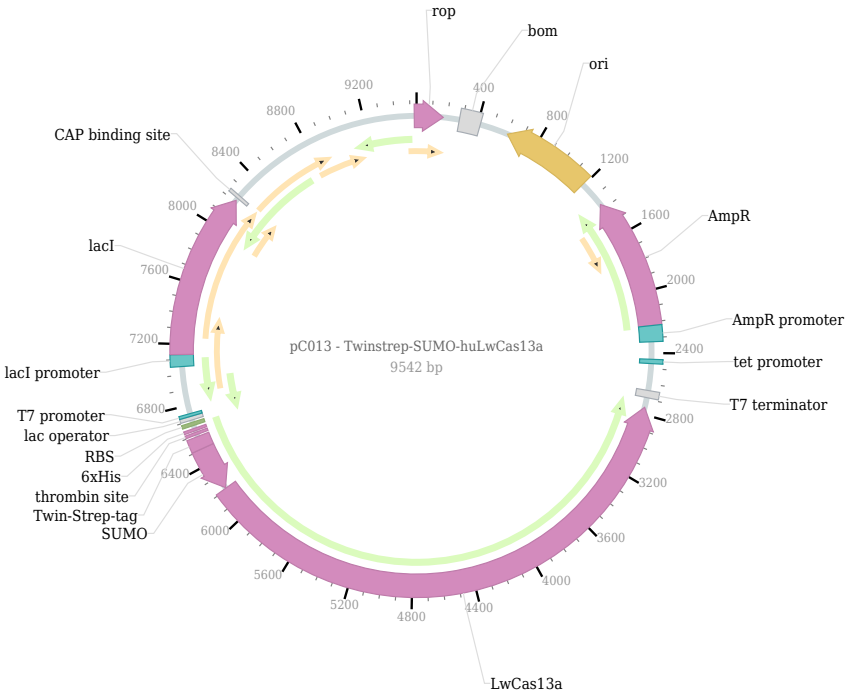
pC013 - Twinstrep-SUMO-huLwCas13a

Vector ID	V000868
Antibiotic Resistance	Ampicillin
Length	9542 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	ori
Copy Number	Low Copy
Comment	pC013-Twinstrep-SUMO-huLwCas13a is a bacterial expression plasmid based on the pET backbone. It encodes a human-codon-optimized LwCas13a protein with an N-terminal 6xHis-TwinStrep-SUMO tag for purification. This vector is used for producing the Cas13a protein for CRISPR-based diagnostic applications.

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 ℃.