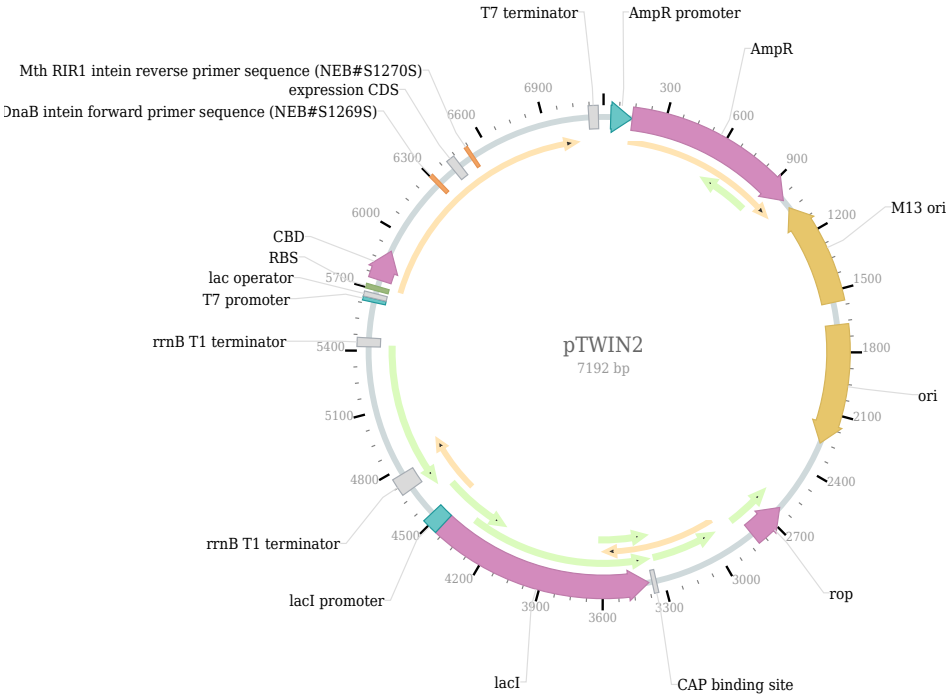
pTWIN2

Vector ID	V012685
Antibiotic Resistance	Ampicillin
Length	7192 bp
Vector Type	Bacterial expression vector

Product Information

Replication Origin	ori
Source/Author	NEB
Copy Number	High copy number
Promoter	T7
Fusion Tag	intein
Expression Method	IPTG induced
Comment	pTWIN2 is an E. coli expression vector which can be used with the IMPACT™ Kit. A polylinker in the vector is designed for the in-frame fusion of a target gene between the modified Ssp DnaB and Mth RIR1 inteins. The presence of the chitin binding domain from Bacillus circulans facilitates purification. pTWIN vectors are designed for protein purification or for the isolation of proteins with an N-terminal cysteine and/or a C-terminal thioester. The double-stranded vector is 7192 base pairs in length.

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 ℃.