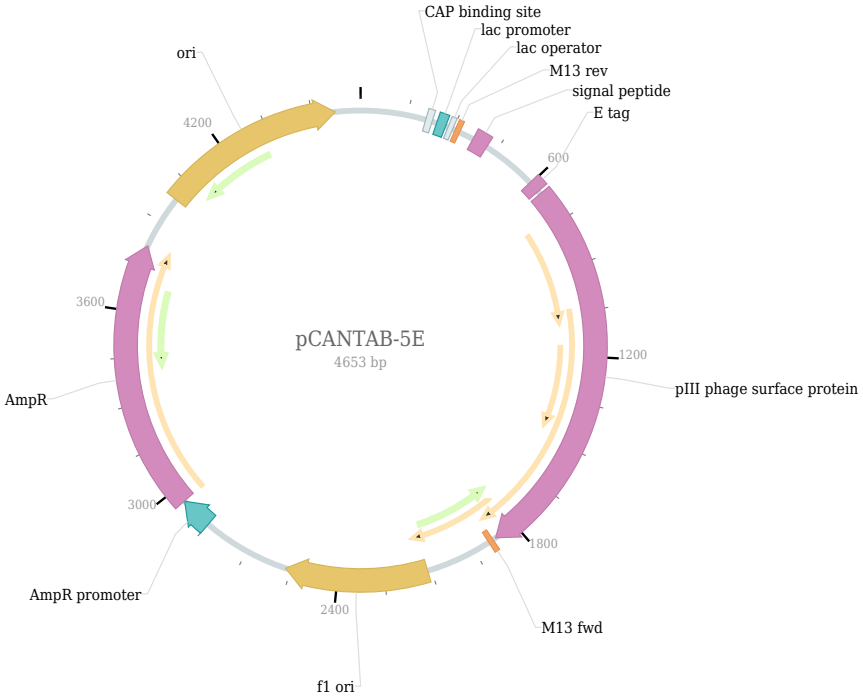
pCANTAB-5E

Vector ID	V001082
Antibiotic Resistance	Ampicillin
Length	4653 bp
Vector Type	Phage Surface Display Systems

Product Information

Replication Origin	ori
Promoter	Lac
5' Primer	pCantab5-R1: ccatgattacgccaagctttggagcc
3' Primer	pCantab5-R2: cgatctaaagttttgtcgtctttcc
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The vector pCANTAB 5E, featuring ampicillin resistance, is employed in the construction of recombinant single-chain variable fragments (scFvs). This vector system facilitates the expression of antibody genes and the production of recombinant antibodies.

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 ℃.