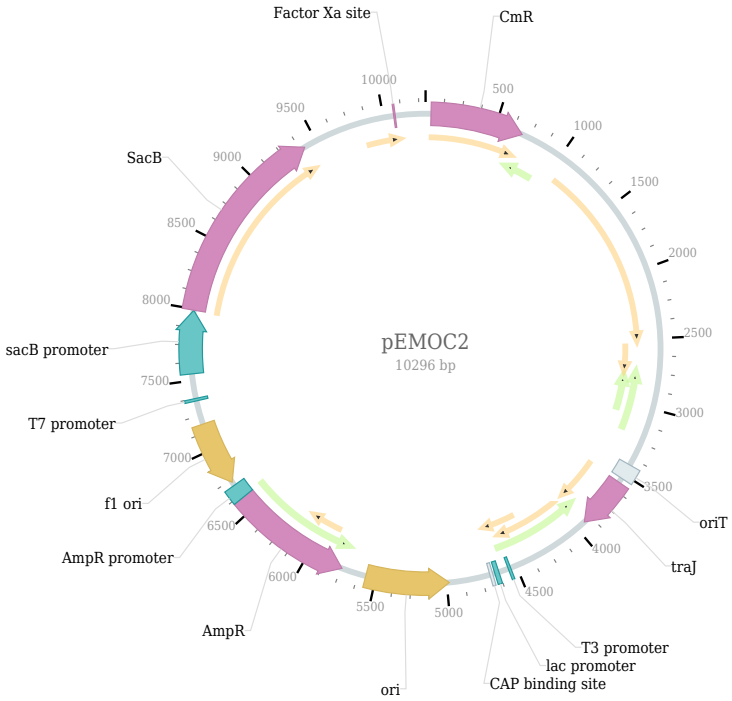
pEMOC2

Vector ID	V014866
Antibiotic Resistance	Ampicillin
Length	10296 bp
Host	Broad host

Product Information

Replication Origin	ori
Selection Marker	Chl
Copy Number	High copy number
Promoter	sacB
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	Throughout the plasmid cultivation process, use only sucrose-free culture medium (animal-derived medium is preferred).The SacB gene, from Bacillus subtilis and related to sugar metabolism, converts sucrose to levan. pEMOC2 is a transconjugation vector derived from pBluescript SK, carrying mobRP4, a chloramphenicol resistance gene, and a transcriptional fusion of the omlA promoter with the sacB gene.

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 ℃.