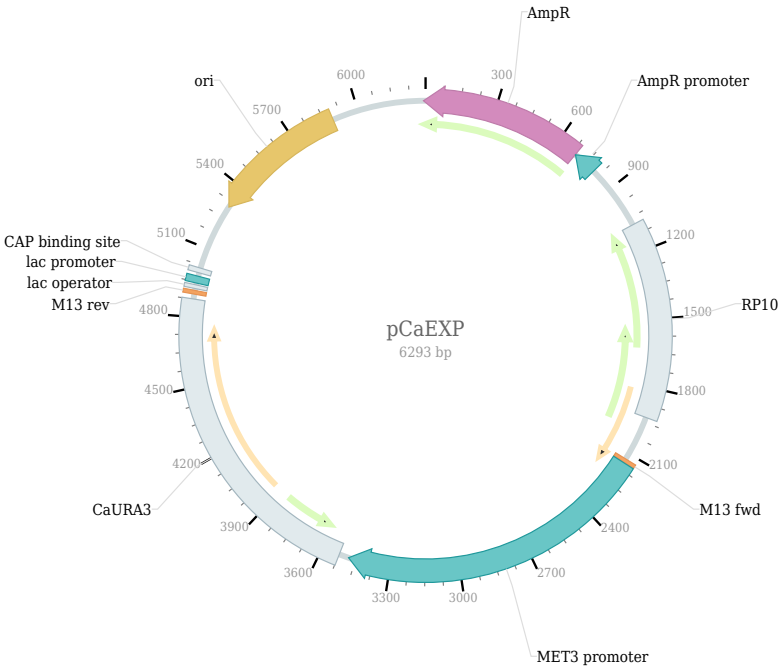
pCaEXP

Vector ID	V013006
Antibiotic Resistance	Ampicillin
Length	6293 bp
Vector Type	Protein expression
Host	Hyphal fungi

Product Information

Replication Origin	ori
Source/Author	R S Care
Promoter	MET3
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	Plasmid pCaEXP is designed to allow genes to be placed under the control of the MET3 promoter and to be integrated into the RP10 locus to take advantage of the increased transformation frequency. The regulated gene is cloned into a BamHI site in front of the MET3 promoter. URA3 was used as a model to demonstrate that it can be used to express conditionally a gene with an essential function.

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 ℃.