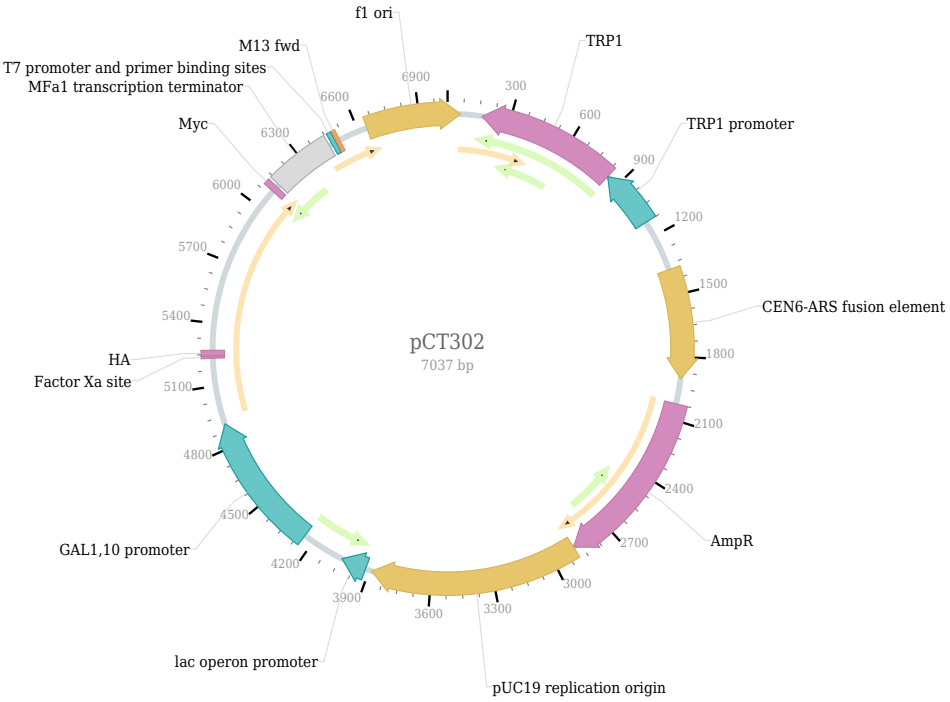
pCT302

Vector ID	V014486
Antibiotic Resistance	Ampicillin
Length	7037 bp
Vector Type	Protein expression
Host	Yeast

Product Information

Replication Origin	ori
Selection Marker	TRP1
Copy Number	High copy number
Promoter	GAL1,10
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pCT302 is the yeast display platform's core vector, driving linear peptide epitopes to fuse with yeast surface anchors like Aga2p, facilitating their display, with a selection marker for screening, supporting high-throughput peptide-MHC-II binding assessment.

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 ℃.