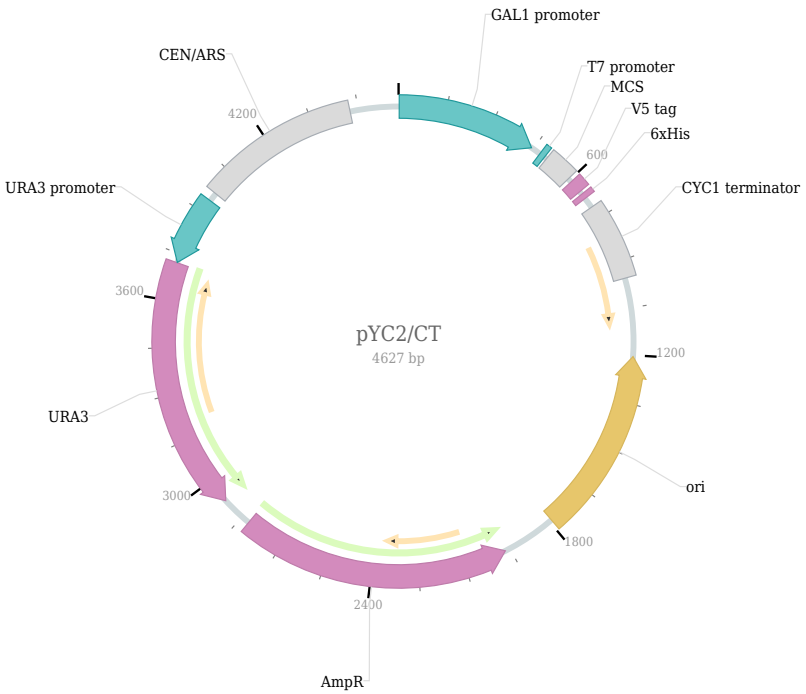
pYC2/CT

Vector ID	V010213
Antibiotic Resistance	Ampicillin
Length	4627 bp
Vector Type	Yeast Plasmids

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Promoter	GAL1
Growth Strain(s)	DH10B
Comment	pYC2-CT is a low-copy shuttle plasmid for Saccharomyces cerevisiae. It has CEN6/ARSH4 for single-copy stability, a galactose-inducible (glucose-repressed) GAL1 promoter, a URA3 marker for screening, and C-terminal V5/6×His tags for protein detection/purification. It's widely used in yeast gene expression control, protein localization and interaction studies.

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 ℃.