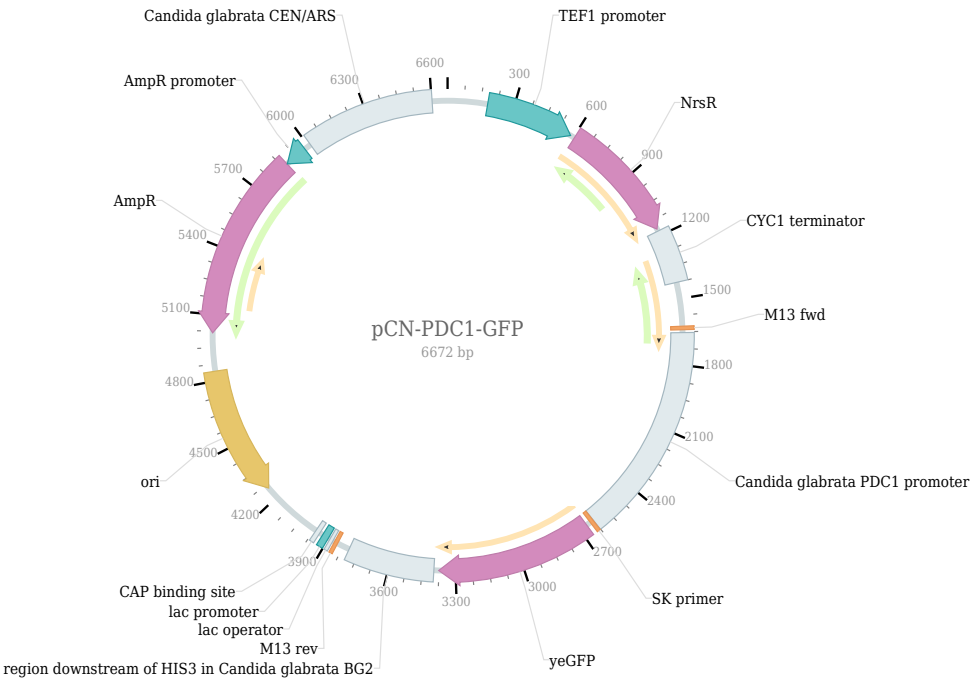
pCN-PDC1-GFP

Vector ID	V008345
Antibiotic Resistance	Ampicillin
Length	6672 bp
Vector Type	Cloning vector
Host	Yeast

Product Information

Replication Origin	ori
Source/Author	Zordan RE, Ren Y, Pan SJ, Rotondo G, Penas Ade L, Iluore J, Cormack BP.
Promoter	TEF1
Growth Strain(s)	DH10B
Comment	This is a 6672 bp yeast expression vector, pCN-PDC1-GFP. It is designed to express the NrsR gene under the control of the TEF1 promoter, while the downstream PDC1 promoter drives the expression of the yeGFP reporter gene. The vector includes the Candida glabrata CEN/ARS region for stable chromosomal maintenance and a selectable marker derived from the HIS3 locus. It also contains the lac operator for potential bacterial regulation.

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 ℃.