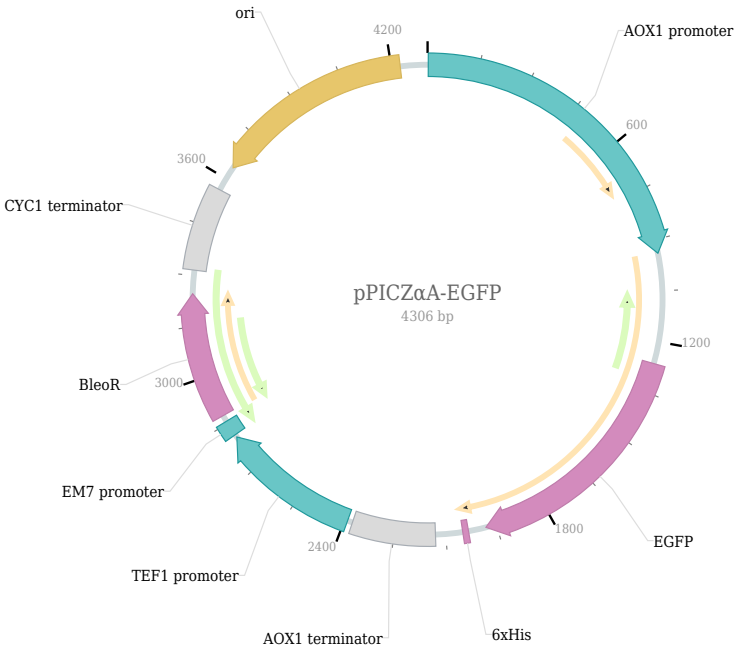
pPICZαA-EGFP

Vector ID	V014852
Antibiotic Resistance	Zeocin
Length	4306 bp
Vector Type	Protein expression
Host	Yeast

Product Information

Replication Origin	ori
Selection Marker	Zeo
Promoter	AOX1
Growth Strain(s)	Top10
Growth Temperature	30℃
Comment	pPICZαA-EGFP is a Pichia pastoris secretion construct expressing EGFP from the pPICZalphaA vector: AOX1 promoter control, alpha-mating-factor secretion signal, and Zeocin resistance. Serves as a fluorescence benchmark for optimizing methanol-inducible protein secretion in P. pastoris (Campbell & Choy 2002).

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 ℃.