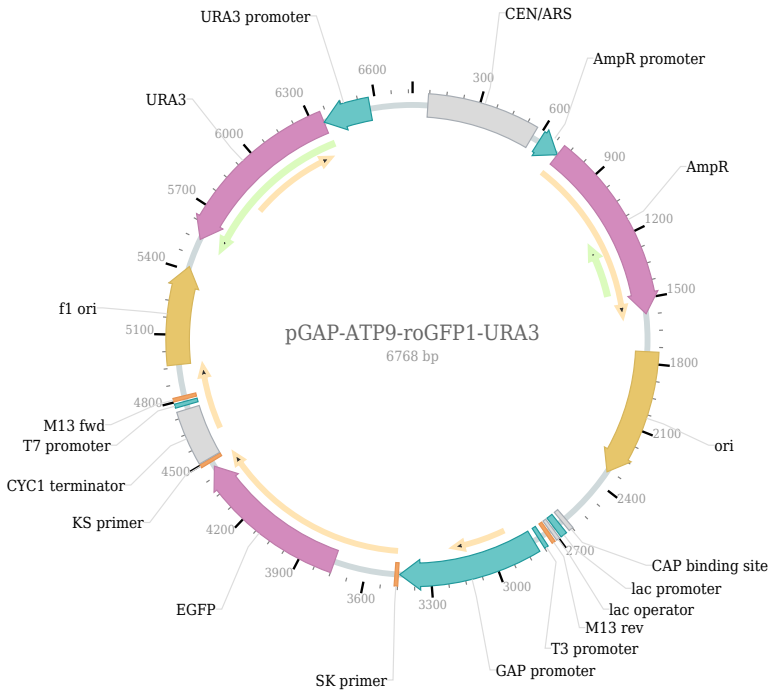
pGAP-ATP9-roGFP1-URA3

Vector ID	V014699
Antibiotic Resistance	Ampicillin
Length	6768 bp
Vector Type	Protein expression
Host	Yeast

Product Information

Replication Origin	ori
Selection Marker	URA3
Promoter	GPD
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	The pGAP-ATP9-roGFP1-URA3 vector (6768 bp) facilitates protein expression in yeast. The GAP promoter drives the expression of the roGFP1 reporter, followed by the CYC1 terminator. It includes the URA3 gene under its native promoter for yeast selection. Additionally, it contains an AmpR gene for bacterial selection, an ori for replication, and standard phage promoters (T3/T7), primers (M13), and an f1 ori for cloning purposes.

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 ℃.