pYM44

Vector ID	V010197
Antibiotic Resistance	Ampicillin
Length	4749 bp
Vector Type	Yeast Plasmids
Host	Yeast

Product Information

Replication Origin	ori
Source/Author	Janke C, Magiera MM, Rathfelder N, Taxis C, Reber S, Maekawa H,
Copy Number	High copy number
Promoter	TEF
Growth Strain(s)	Top10
Comment	pYM44 is a pYM-series yeast cassette plasmid used as a PCR template for C-terminal yeGFP (yeast codon-optimized GFP) tagging with HIS3MX6 selection (Janke et al. 2004). PCR-amplified cassettes from this plasmid integrate into the yeast genome to fuse yeGFP to the C-terminus of endogenous chromosomal proteins, enabling protein localization and dynamics studies at native expression levels.

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 ℃.