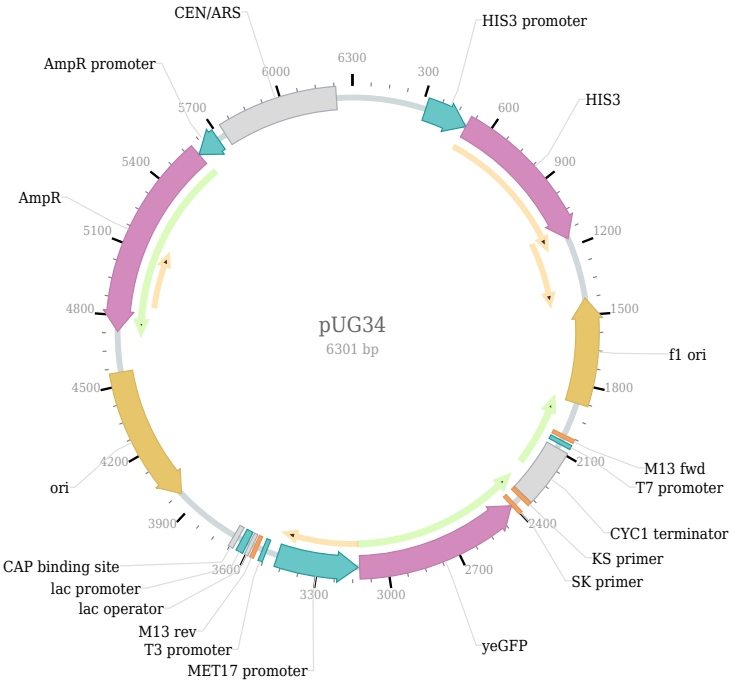
pUG34

Vector ID	V002334
Antibiotic Resistance	Ampicillin
Length	6301 bp
Vector Type	N-terminal GFP fusion vector

Product Information

Replication Origin	ori
Source/Author	Gueldener U, Hegemann JH.
Promoter	MET17
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pUG34 is a yeast CEN/ARS shuttle vector featuring the methionine-repressible MET25 promoter and yEGFP reporter for constructing N-terminal GFP fusions (Hegemann laboratory). Stable low-copy maintenance supports near-native expression of localization constructs such as nucleolar markers (Niedenthal et al. 1996).

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 ℃.