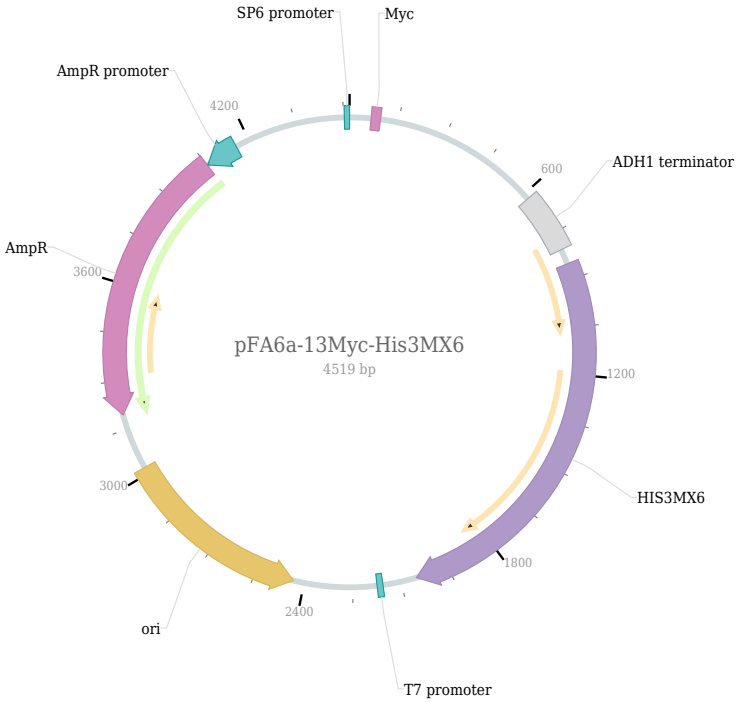
pFA6a-13Myc-His3MX6

Vector ID	V010316
Antibiotic Resistance	Ampicillin
Length	4519 bp
Vector Type	Yeast Plasmids
Host	Yeast

Product Information

Replication Origin	ori
Source/Author	Longtine MS, McKenzie A, Demarini DJ, Shah NG, Wach A, Brachat A,
Copy Number	High copy number
Promoter	TEF
Growth Strain(s)	Top10
Comment	pFA6a-13Myc-His3MX6 is a yeast PCR-targeting plasmid constructed by Longtine et al. in 1998 based on the pFA6a backbone. It carries a 13 tandem Myc epitope cassette with ADH1 terminator and the heterologous His3MX6 selection marker from Schizosaccharomyces pombe his5⁺ gene. This template amplifies DNA fragments to add C-terminal 13Myc tags to yeast endogenous proteins via homologous recombination, enabling immunofluorescence and immunoprecipitation detection. The His3MX6 marker avoids unwanted cross-recombination with other MX modules in strains carrying prior kanMX6 or TRP1 integrations for sequential gene modification.

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 ℃.