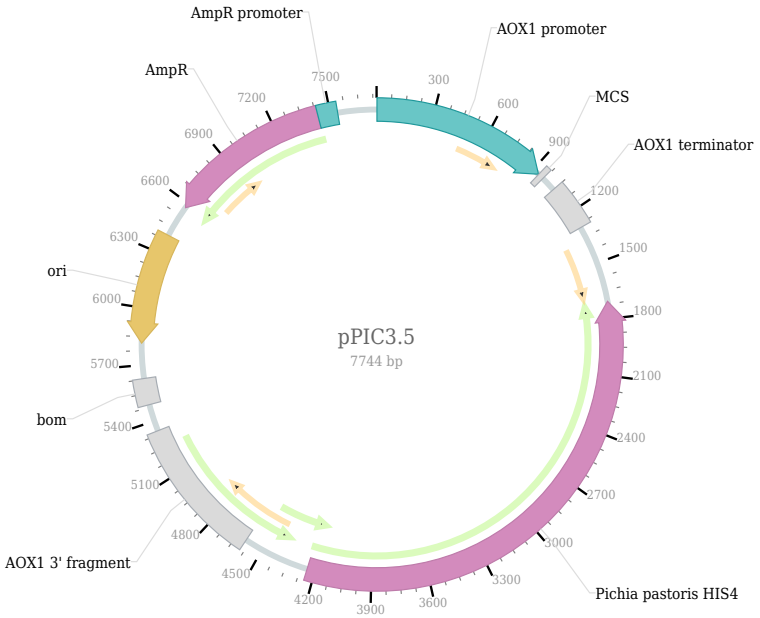
pPIC3.5

Vector ID	V010255
Antibiotic Resistance	Ampicillin
Length	7744 bp
Vector Type	Yeast Plasmids

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Promoter	AOX1
Growth Strain(s)	DH10B
Comment	pPIC3.5 is a classic Pichia pastoris (Komagataella phaffii) expression vector featuring the methanol-inducible AOX1 promoter, AOX1 terminator, and HIS4 marker. Integrates into the Pichia genome by homologous recombination for stable, high-level expression in his4 auxotrophic hosts (Cereghino & Cregg 2000).

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 ℃.