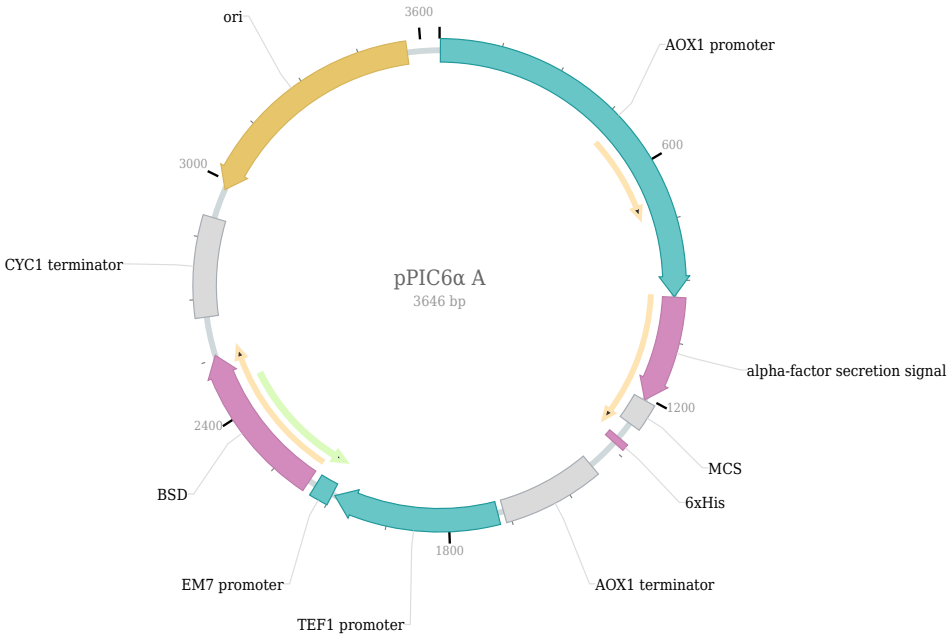
pPIC6α A

Vector ID	V010249
Antibiotic Resistance	Blasticidin
Length	3646 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)	Top10
Comment	pPIC6α A serves as a secretory expression vector for Pichia pastoris, enabling efficient expression of recombinant proteins. Its α-factor signal peptide mediates secretion of the target protein into the extracellular space, achieving high-yield expression and purification.

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 ℃.