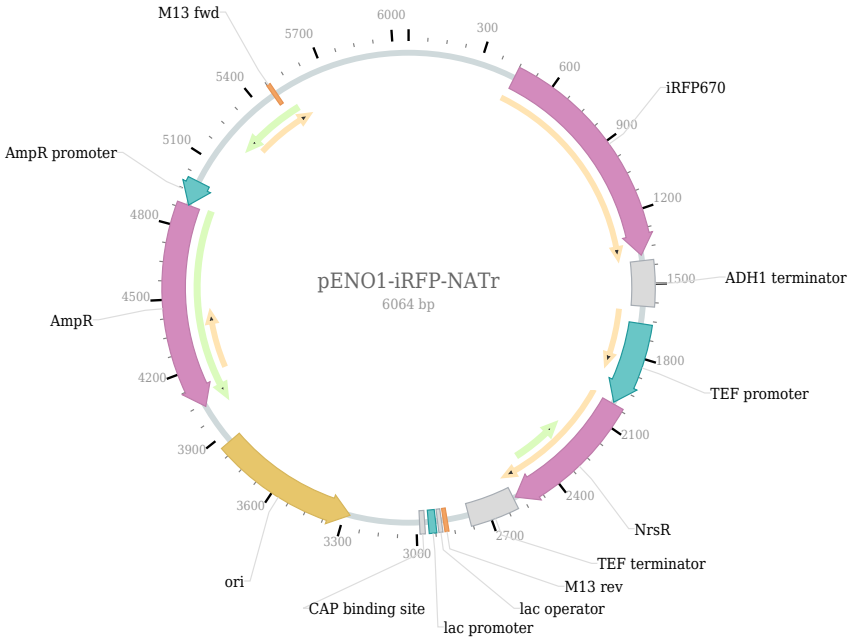
pENO1-iRFP-NATr

Vector ID	V017261
Antibiotic Resistance	Ampicillin
Length	6064 bp
Vector Type	Gene expression
Host	Candida albicans

Product Information

Replication Origin	ori
Selection Marker	NAT
Promoter	TEF
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	This is a 6064 bp bacterial expression vector, pENO1-iRFP-NATr. It is designed to express the iRFP670 fluorescent protein driven by the TEF promoter, with the NrsR gene controlled by the lac promoter for regulatory studies. The vector includes the KanR gene for antibiotic selection and the lac operator/lacI system for gene regulation. It also features the CAP binding site and ori for bacterial propagation.

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 ℃.