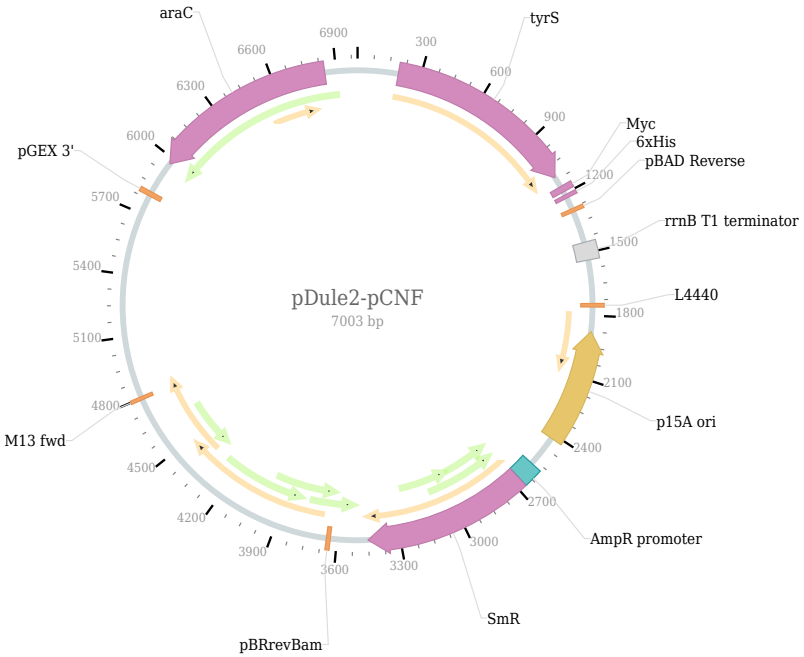
pDule2-pCNF

Vector ID	V001677
Antibiotic Resistance	Spectinomycin
Length	7003 bp
Vector Type	Bacterial Expression

Product Information

Replication Origin	p15A ori
Copy Number	Low Copy
Promoter	lpp (constitutive)
Cloning Method	Restriction Enzyme
5' Primer	CGTCACTGCGTCTTTTACTG
Comment	The pDule2-pCNF is a pDule2-derived vector for site-specific incorporation of the unnatural amino acid p-cyanophenylalanine (pCNF) into proteins, carrying an orthogonal tRNA/synthetase pair responsive to the amber (UAG) codon. It incorporates azidoPhenylalanine.

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 ℃.