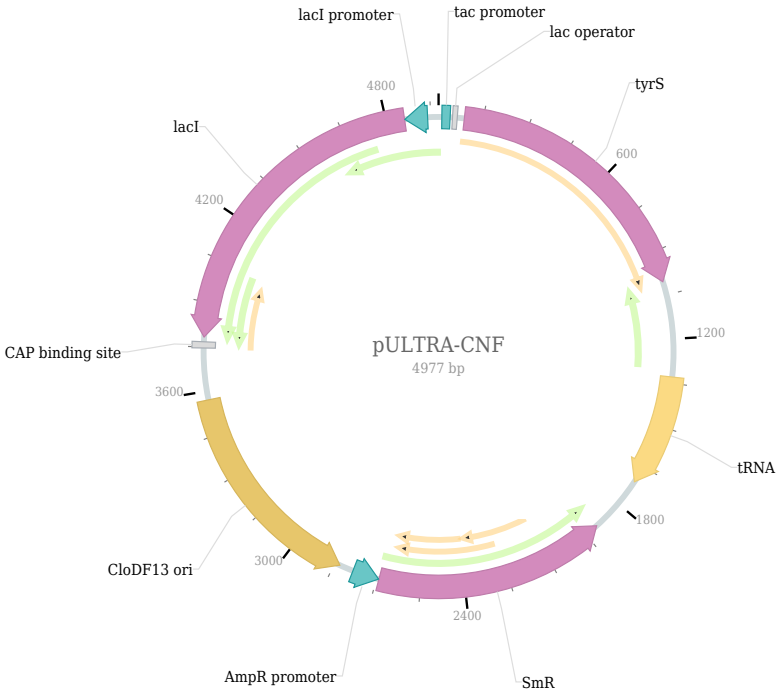
pULTRA-CNF

Vector ID	V017396
Antibiotic Resistance	Spectinomycin
Length	4977 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	CloDF13 ori
Source/Author	Peter Schultz Lab
Copy Number	High copy number
Promoter	tac
Growth Temperature	37℃
Comment	pULTRA-CNF is a highly efficient E. coli amber-suppression plasmid from the Schultz lab. Its pUltra backbone carries a single copy each of the M. jannaschii suppressor tRNA (proK promoter) and a polyspecific tyrosyl-tRNA synthetase (tac promoter) selected for para-cyano-L-phenylalanine (pCNPhe). A CloDF13 ori and spectinomycin marker allow co-use with pEVOL or ColE1/p15A vectors; the NotI-flanked synthetase cassette is readily exchanged.

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 ℃.