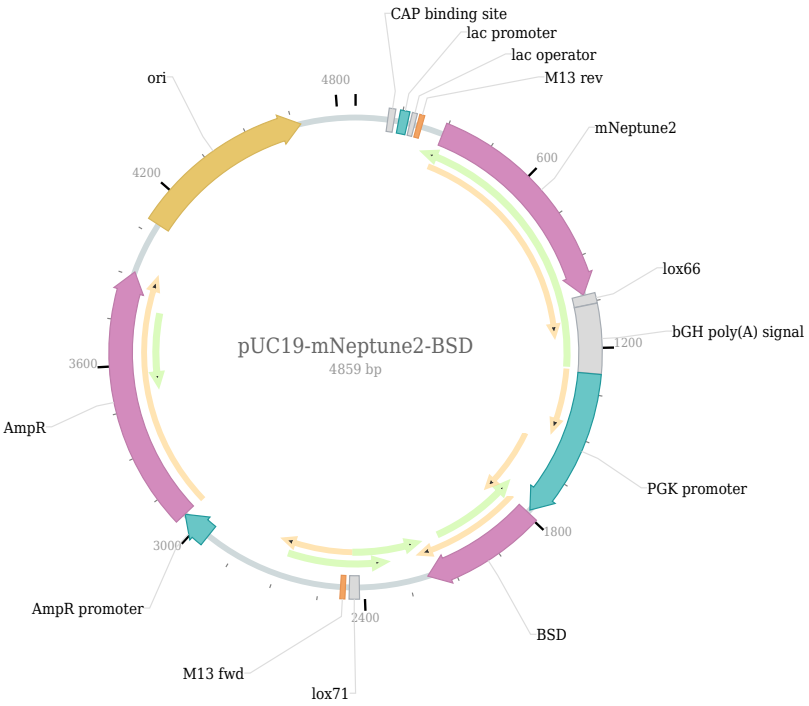
pUC19-mNeptune2-BSD

Vector ID	V015043
Antibiotic Resistance	Ampicillin
Length	4859 bp
Vector Type	Gene template
Host	E. coli

Product Information

Replication Origin	ori
Selection Marker	Blast
Promoter	mPGK
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pUC19-mNeptune2-BSD is an expression vector combining a pUC19 backbone with mNeptune2 (bright far-red fluorescent protein, ex/em ~600/650 nm; Chu et al. 2014) and a blasticidin S resistance (BSD) marker for eukaryotic selection. Provides far-red cell labeling suitable for deep-tissue imaging.

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 ℃.