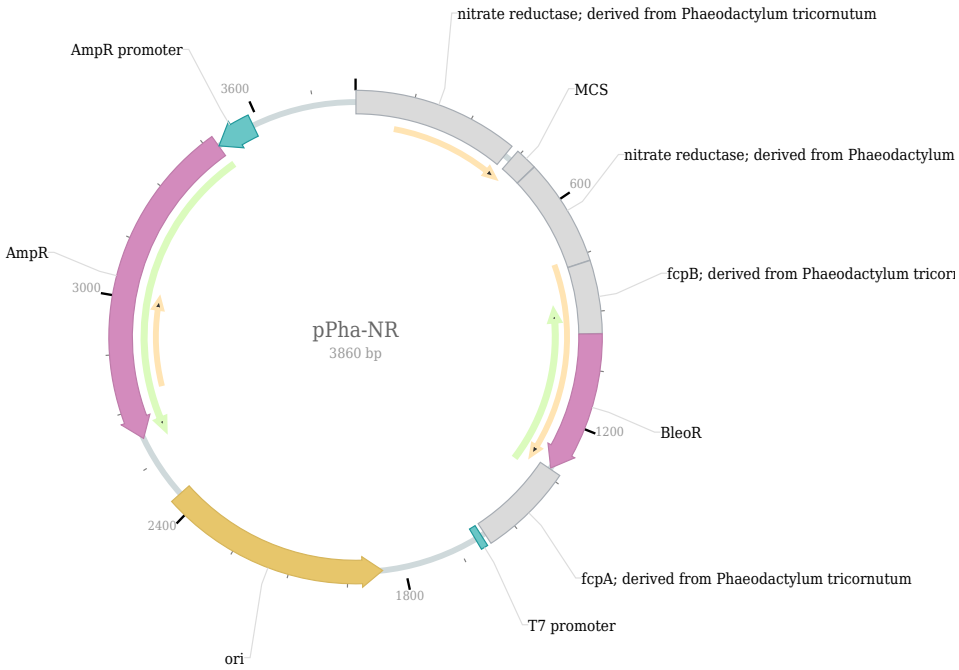
pPha-NR

Vector ID	V004111
Antibiotic Resistance	Ampicillin
Length	3860 bp
Vector Type	Shuttle vector

Product Information

Replication Origin	ori
Source/Author	Stork S, Moog D, Przyborski JM, Wilhelmi I, Zauner S, Maier UG.
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	pPha-NR is a replicating plasmid for cyanobacteria Synechocystissp. PCC 6803. It uses the native phapromoter for gene expression and carries a spectinomycin resistance gene for selection, making it useful for genetic studies and metabolic engineering in this model organism.

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 ℃.