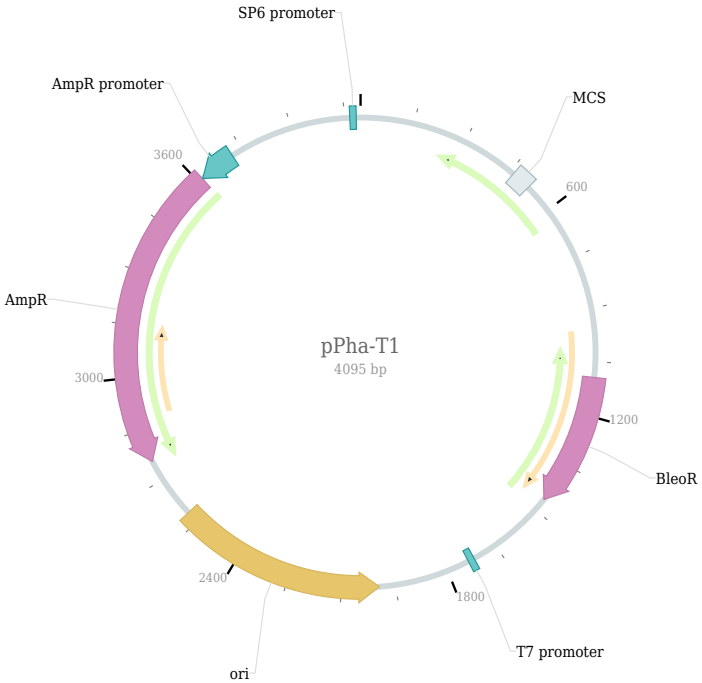
# pPha-T1

| | |
|---|---|
| **Vector ID** | V012835 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 4095 bp |
| **Vector Type** | Phaeodactylum vector |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Selection Marker** | Zeocin |
| **Copy Number** | High copy number |
| **Promoter** | SP6 |
| **Growth Strain(s)** | DH5alpha |
| **Growth Temperature** | 37℃ |
| **Comment** | pPha-T1 is a replicating shuttle vector for the cyanobacterium Synechocystissp. PCC 6803 and E. coli. It utilizes the native psbA2promoter for strong, light-regulated gene expression and carries a spectinomycin/streptomycin resistance gene for selection in both hosts. |

## 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 ℃.