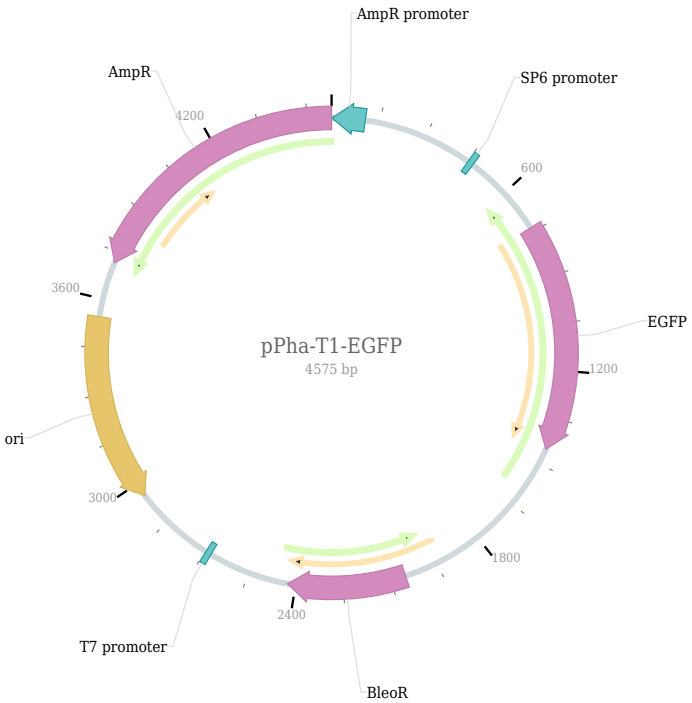
pPha-T1-EGFP

载体编号 Vector ID	V014000
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4575 bp
载体类型 Vector Type	Protein expression
宿主 Host	Broad host

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Zeo
启动子 Promoter	fcpA
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	37℃
备注 Comment	pPha-T1-EGFP is a diatom-specific nuclear transformation vector built on the pPha-T1 backbone, designed to express enhanced GFP (eGFP) in the model pennate diatom Phaeodactylum tricornutum under the native diatom fcpA promoter — with Zeocin® (sh ble) as the primary selectable marker for algal transformants and AmpR for E. coli propagation.

质粒图谱



复溶方法

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 ℃.