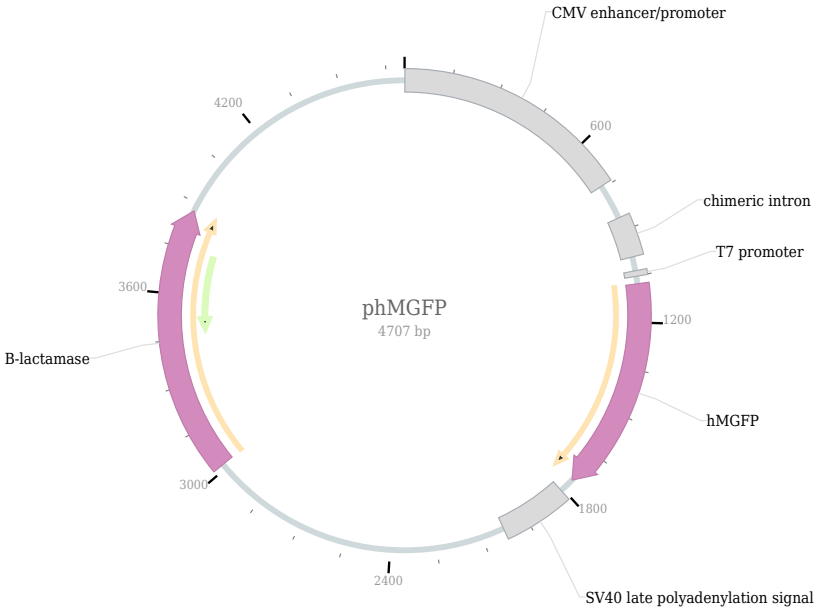
phMGFP

Vector ID	V011998
Antibiotic Resistance	Ampicillin
Length	4707 bp
Vector Type	Fluorescent Protein Genes & Plasmids

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Promoter	CMV
Comment	phMGFP is a mammalian expression vector encoding Monster Green® Fluorescent Protein, a codon-optimized synthetic variant of Montastrea cavernosa GFP. The 26kDa hMGFP protein offers 20% brighter fluorescence than commercial GFPs, reduced cytotoxicity, and minimized cellular perturbations, making it an ideal choice for reliable, high-level expression in both transient/stable assays.

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 ℃.