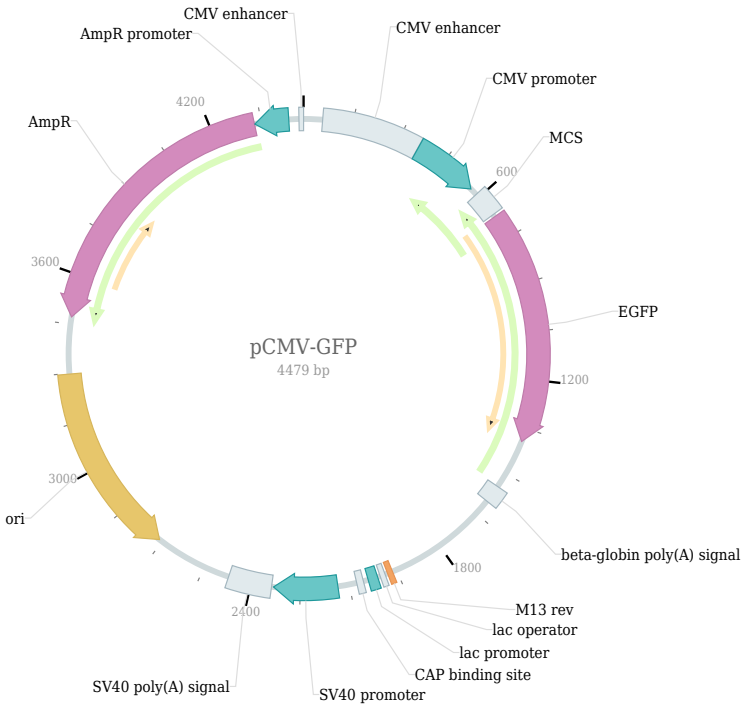
pCMV-GFP

Vector ID	V013546
Antibiotic Resistance	Ampicillin
Length	4479 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Promoter	CMV
Fusion Tag	GFP
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	The pCMV-GFP plasmid is a mammalian expression vector designed for high-level expression of green fluorescent protein (GFP) driven by the strong cytomegalovirus (CMV) promoter. With a size of 4479 bp, it contains an ampicillin resistance gene for bacterial selection and an EGFP insert optimized for mammalian cells. This vector is commonly used for tracking gene expression and protein localization in eukaryotic cells, serving as a transfection control or a backbone for constructing fusion proteins.

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 ℃.