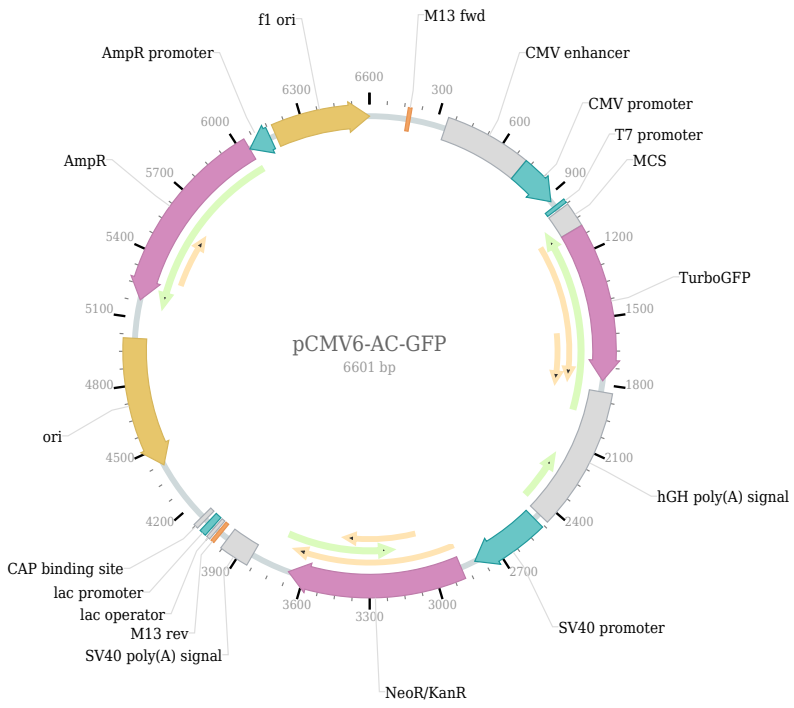
pCMV6-AC-GFP

Vector ID	V011215
Antibiotic Resistance	Ampicillin
Length	6601 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	OriGene
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Promoter	CMV
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pCMV6-AC-GFP is a mammalian expression plasmid vector designed for high-level expression of C-terminal TurboGFP (tGFP)-tagged proteins in mammalian cells. It features a strong CMV promoter and is approximately 6.6 kb in size. The vector contains an ampicillin resistance gene for selection in bacteria and a neomycin (G418) resistance marker for selection in mammalian cells. It is commonly used for monitoring protein expression, localization, and co-localization studies in live cells.

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 ℃.