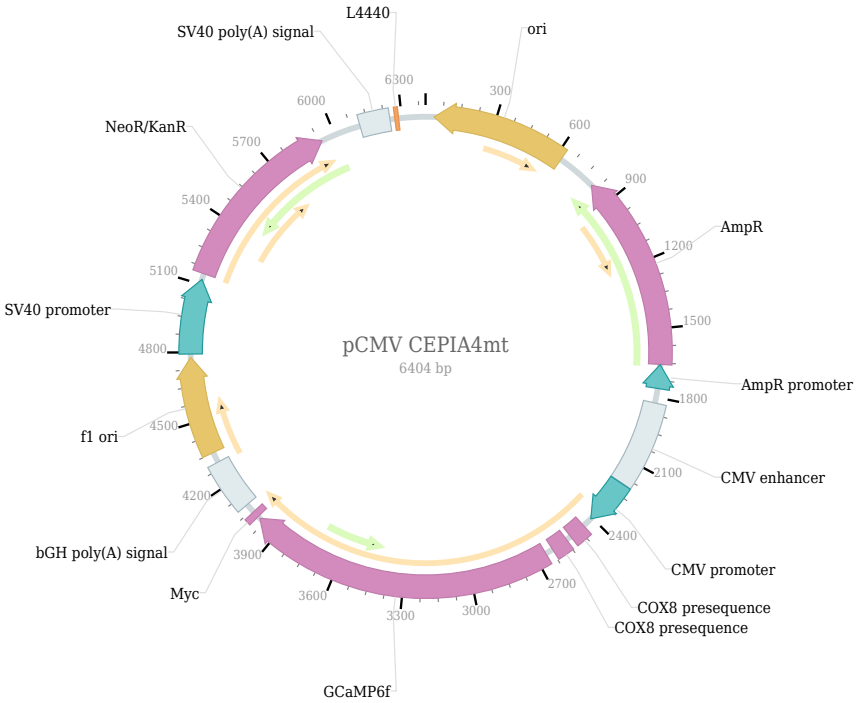
pCMV CEPIA4mt

Vector ID	V001062
Antibiotic Resistance	Ampicillin
Length	6404 bp
Vector Type	Mammalian Expression

Product Information

Replication Origin	ori
Selection Marker	Neomycin (select with G418)
Copy Number	High Copy
Promoter	CMV
Cloning Method	Restriction Enzyme
5' Primer	cgcaaatgggcggtaggcgtg
3' Primer	tagaaggcacagtcgagg-
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	Green fluorescent indicator for calcium imaging in the mitochondria (low affinity variant)

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 ℃.