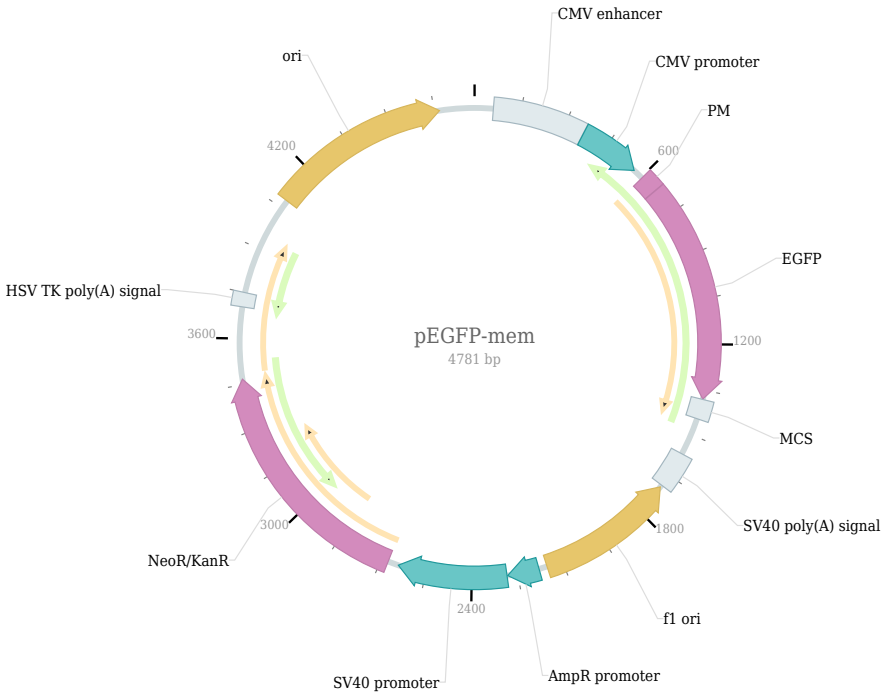
pEGFP-mem

Vector ID	V013594
Antibiotic Resistance	Kanamycin
Length	4781 bp
Vector Type	Subcellular localization
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	CMV
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pEGFP-mem is a pEGFP-N1–derived mammalian expression construct in which the human GAP43 plasma membrane–tethering sequence (MLCCMRRTKQVEKNDEDQKI) was cloned in-frame and fused to EGFP; it is used for labeling and imaging of the plasma membrane. Plasma membrane targeting sequence, MLCCMRRTKQVEKNDEDQKI, corresponding to the N-terminal end of the Homo sapiens Growth Associated Protein 43 (GAP43) gene, used for labeling and imaging of the plasma membrane.

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 ℃.