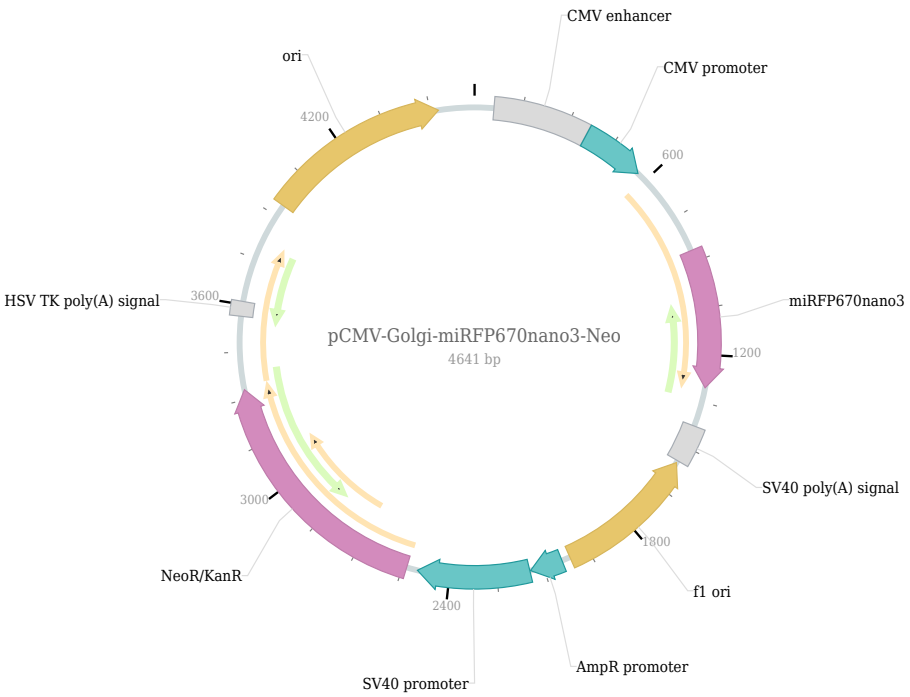
pCMV-Golgi-miRFP670nano3-Neo

Vector ID	V044447
Antibiotic Resistance	Kanamycin
Length	4641 bp
Vector Type	Protein expression, Subcellular localization
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;miRFP670nano3
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pCMV-Golgi-miRFP670nano3-Neo is a mammalian expression vector for near-infrared labeling of the Golgi apparatus. CMV drives a fusion of a Golgi-targeting sequence with miRFP670nano3 (17 kDa single-domain NIR FP, Ex/Em 645/670 nm, biliverdin-binding, from cyanobacteriochrome GAF domain). Neo (G418) supports stable lines; AmpR serves E. coli.

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 ℃.