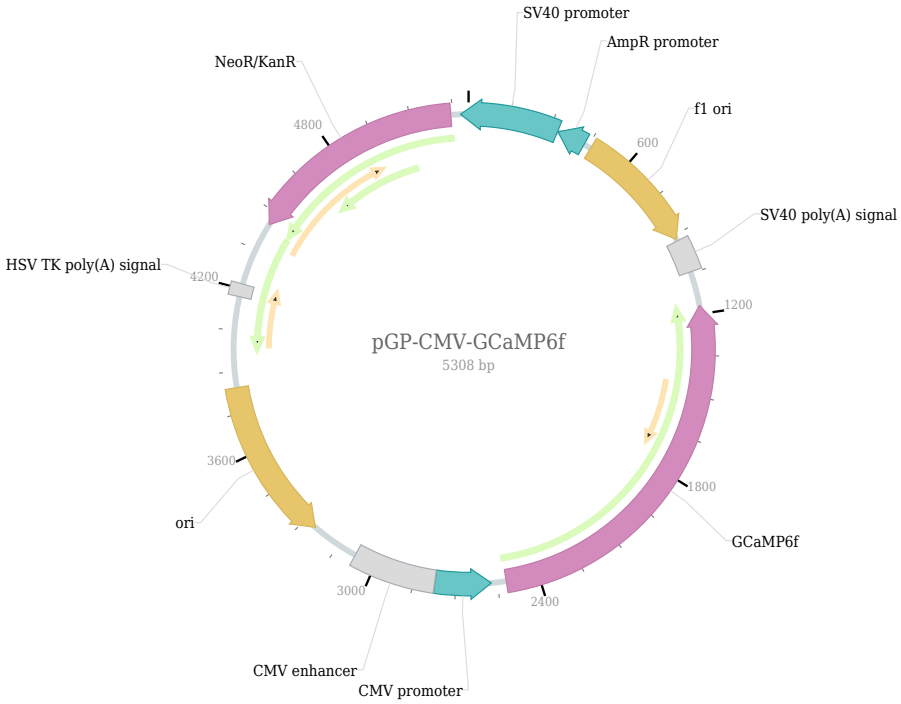
pGP-CMV-GCaMP6f

载体编号 Vector ID	V012148
抗性 Antibiotic Resistance	Kanamycin
长度 Length	5308 bp
载体类型 Vector Type	Mammalian Expression

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Neomycin (select with G418)
拷贝数 Copy Number	High Copy
启动子 Promoter	CMV
克隆方法 Cloning Method	Restriction Enzyme
5' 引物 5' Primer	CMV Forward
3' 引物 3' Primer	SV40pA-R
培养菌株 Growth Strain(s)	DH10B
备注 Comment	pGP-CMV-GCaMP6f enables real-time monitoring of intracellular calcium signalling dynamics by driving GCaMP6f calcium indicator expression via the CMV promoter, thereby facilitating the elucidation of physiological and pathological mechanisms involving calcium regulation.

质粒图谱



复溶方法

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 ℃.