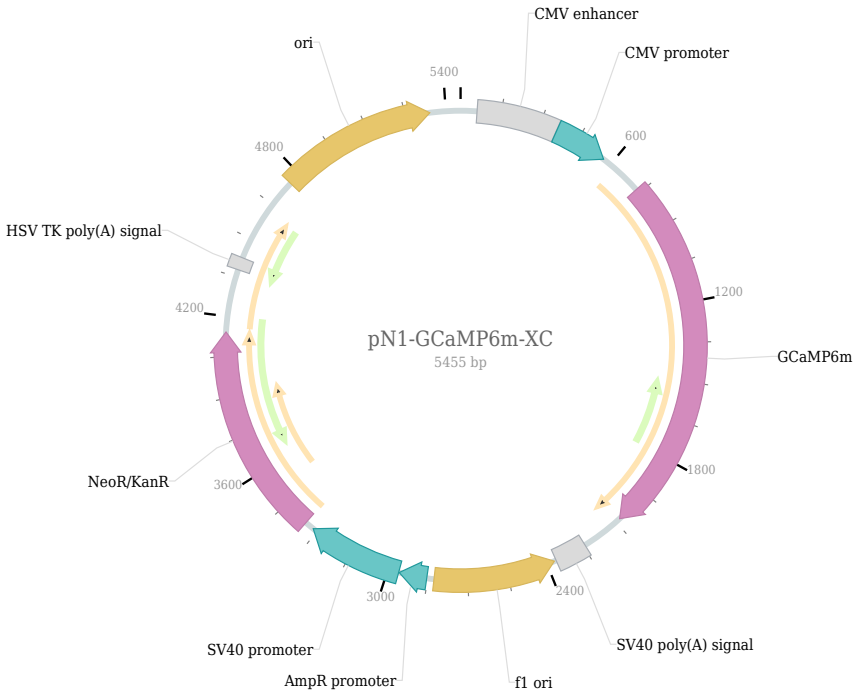
pN1-GCaMP6m-XC

载体编号 Vector ID	V017352
抗性 Antibiotic Resistance	Kanamycin
长度 Length	5455 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Neo/G418
启动子 Promoter	CMV
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pN1-GCaMP6m-XC is a pEGFP-N1–based mammalian expression plasmid encoding GCaMP-X, an improved GCaMP6m calcium sensor with shielded calmodulin. It reports intracellular Ca^{2+} dynamics while overcoming GCaMP-induced calcium channel perturbations.

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 ℃.