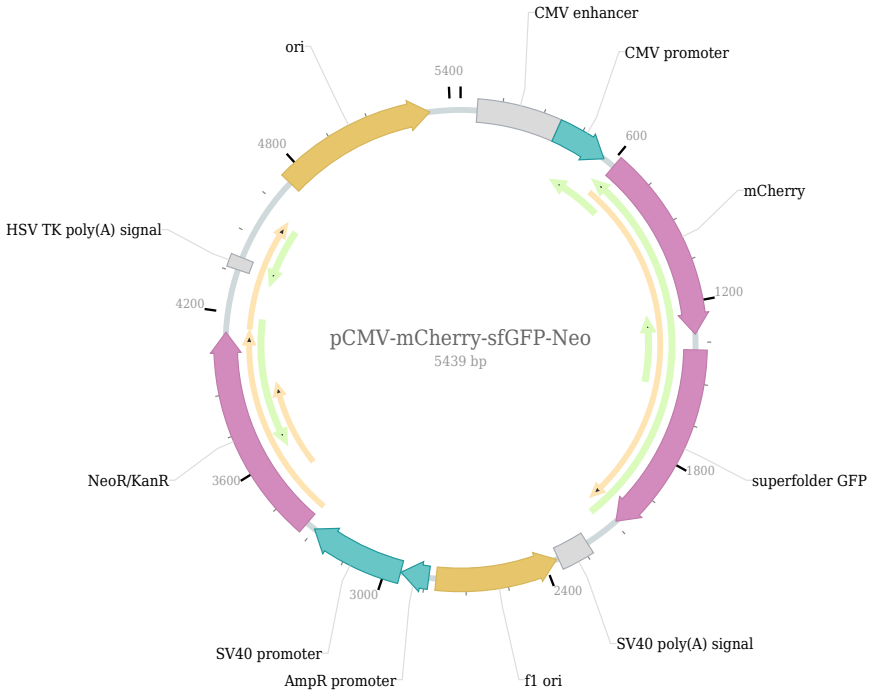
pCMV-mCherry-sfGFP-Neo

载体编号 Vector ID	V014801
抗性 Antibiotic Resistance	Kanamycin
长度 Length	5439 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
5'引物 5' Primer	CMV-F
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	This CMV-driven backbone vector encodes mCherry followed by a multiple-cloning-site (MCS) and sfGFP. Target open reading frames (without stop codon) are inserted into MCS to generate mCherry-POI-sfGFP fusion protein. Taking advantage of pH-dependent quenching of sfGFP while mCherry remains stable under acidic conditions, the mCherry/sfGFP fluorescence ratio reports lysosomal delivery, protein turnover or membrane-protein topology.

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 ℃.