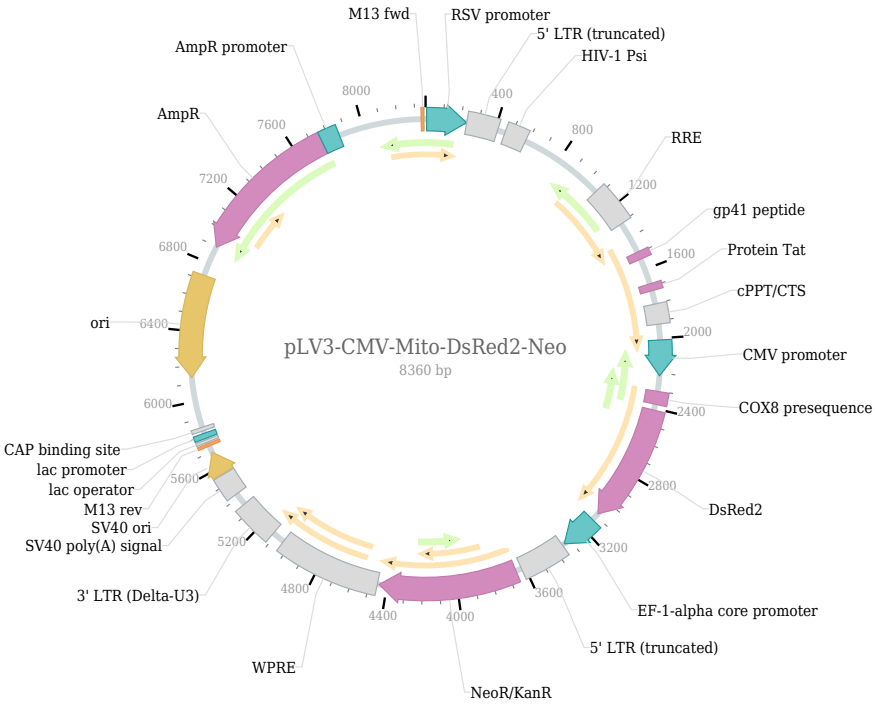
pLV3-CMV-Mito-DsRed2-Neo

载体编号 Vector ID	V015034
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8360 bp
载体类型 Vector Type	Subcellular localization
宿主 Host	Mammalian cells, Lentivirus

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Neo/G418
启动子 Promoter	EF-1α core
培养温度 Growth Temperature	37℃
备注 Comment	pLV3-CMV-Mito-DsRed2-Neo is a pLV3 lentiviral vector expressing mitochondria-targeted DsRed2 under the CMV promoter, providing red fluorescence that specifically labels mitochondria for imaging of morphology, dynamics and mitophagy. Neomycin (G418) resistance supports stable selection; AmpR backbone propagated in Stbl3 for lentiviral packaging.

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 ℃.