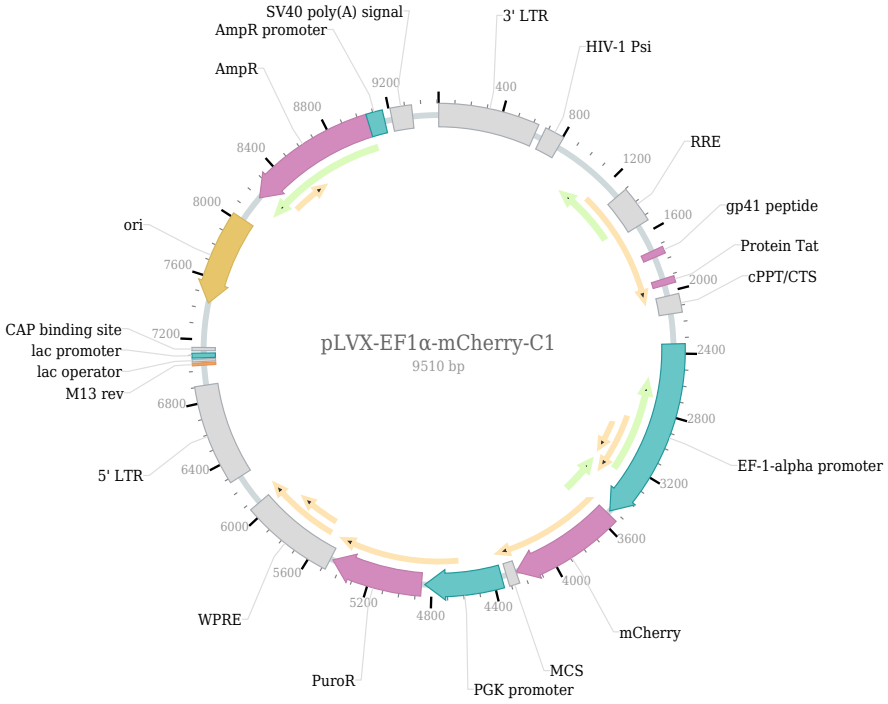
pLVX-EF1α-mCherry-C1

载体编号 Vector ID	V012726
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9510 bp
载体类型 Vector Type	Viral Expression & Packaging Vectors

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Clontech
筛选标记 Selection Marker	Puromycin
拷贝数 Copy Number	High copy number
启动子 Promoter	EF-1α
克隆方法 Cloning Method	Enzyme Cut
融合标签 Fusion Tag	mCherry
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
表达方式 Expression Method	Constiutive, Stable
备注 Comment	pLVX-EF1α-mCherry-C1 is a lentiviral expression vector that can be used to generate high-titer lentivirus for transducing virtually any dividing or nondividing mammalian cell type, including primary and stem cells. The vector allows a gene-ofinterest to be fused to the C-terminus of the red fluorescent protein mCherry. Expression of the fusion is driven by the human elongation factor 1 alpha (EF1α) promoter, which continues to be constitutively active even after stable integration of the vector into the host cell genome. Stable expression of the fusion allows the monitoring of a variety of cellular processes (such as differentiation in primary or stem cells) without the transgene silencing associated with CMV promoters. In addition, the vector allows efficient flow cytometric detection of stably or transiently transfected mammalian cells expressing mCherry fusions, without time-consuming drug and clonal selection.

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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 ℃.