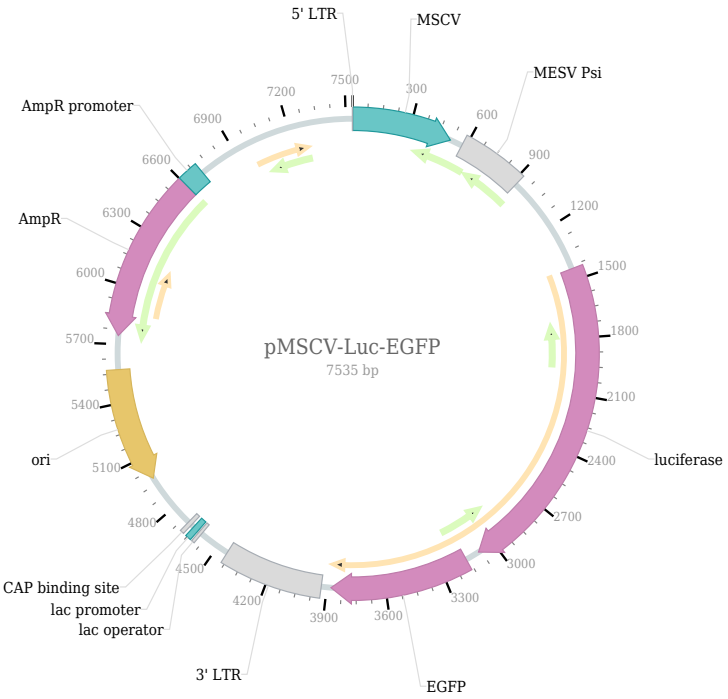
pMSCV-Luc-EGFP

载体编号 Vector ID	V013571
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7535 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells, Retrovirus

产品信息

复制子 Replication Origin	ori
启动子 Promoter	MSCV
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pMSCV-Luc-EGFP, based on MMLV, is a lentiviral vector plasmid that delivers and expresses genes efficiently in mammalian cells. Its high transduction efficiency, stability, and dual reporter system (Luc and EGFP) enable simultaneous monitoring of gene expression and cell localization. Additionally, its genome integration ensures long-term expression in various cell types, including primary and stem cells. However, limitations include limited packaging capacity and potential insertional mutagenesis due to genome integration. Despite these, pMSCV-Luc-EGFP remains a powerful and versatile tool for gene delivery, expression monitoring, and research applications.

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 ℃.