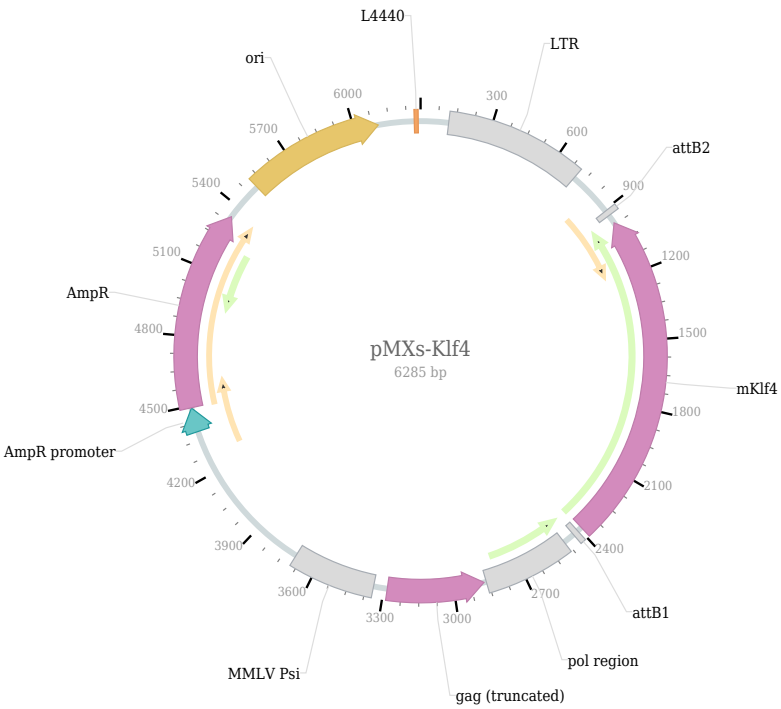
pMXs-Klf4

载体编号 Vector ID	V006689
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6285 bp
载体类型 Vector Type	Mammalian Expression, Retroviral

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High Copy
5' 引物 5' Primer	pMX-S1811 (5'-GACGGCATCGCAGCTTGGATACAC-3')
3' 引物 3' Primer	LNCX-3 (5'-ACCTACAGGTGGGGTCTTTCATTCCC-3')
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pMXs-Klf4 is a Moloney murine leukemia virus (MMLV)-based retroviral expression plasmid carrying the mouse Klf4 cDNA. Its 5′ LTR drives transgene expression, and the viral genome enables stable genomic integration in dividing cells, giving high transduction efficiency. A key reagent from Yamanaka's lab (available via Addgene), it is co-transduced with Oct4, Sox2 and c-Myc to reprogram fibroblasts into induced pluripotent stem cells (iPSCs).

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 ℃.