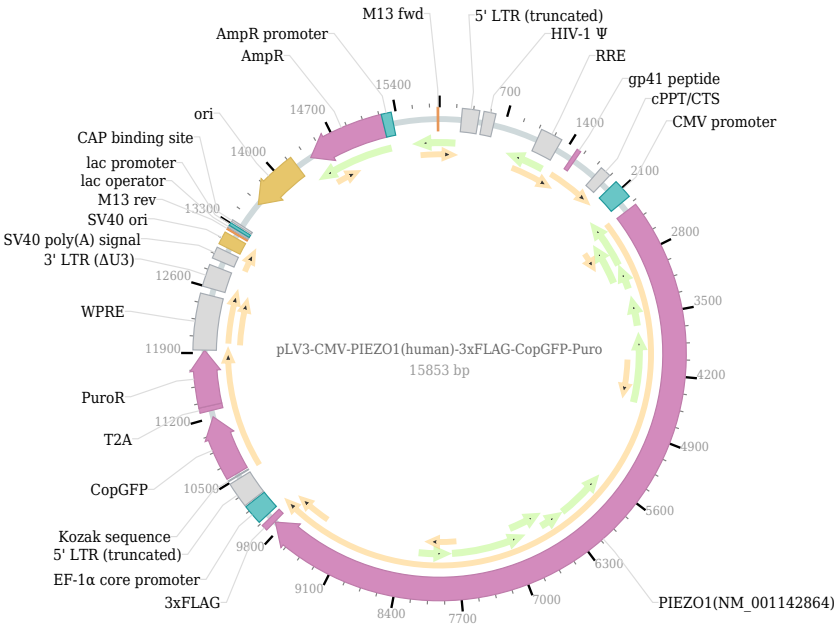
pLV3-CMV-PIEZO1(human)-3xFLAG-CopGFP-Puro

载体编号 Vector ID	V028129
登录号 Accession ID	NM_001142864.4
抗性 Antibiotic Resistance	Ampicillin
长度 Length	15853 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells, Lentivirus

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Puro;CopGFP
启动子 Promoter	CMV
5' 引物 5' Primer	CMV-F
融合标签 Fusion Tag	3xFLAG
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
表达方式 Expression Method	Constiutive, Stable / Transient
备注 Comment	This is a 15853 bp third-generation lentiviral vector, pLV3-CMV-PIEZO1(human)-3xFLAG-CopGFP-Puro. It is designed for constitutive expression of the human PIEZO1 gene, tagged with 3xFLAG, alongside a CopGFP reporter and a PuroR selection marker. The vector utilizes a CMV promoter for strong transgene expression and includes all essential HIV-1 elements for packaging, reverse transcription, and integration, such as the 5' LTR (truncated), RRE, and cPPT/CTS. It also features a WPRE to enhance RNA stability.

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 ℃.