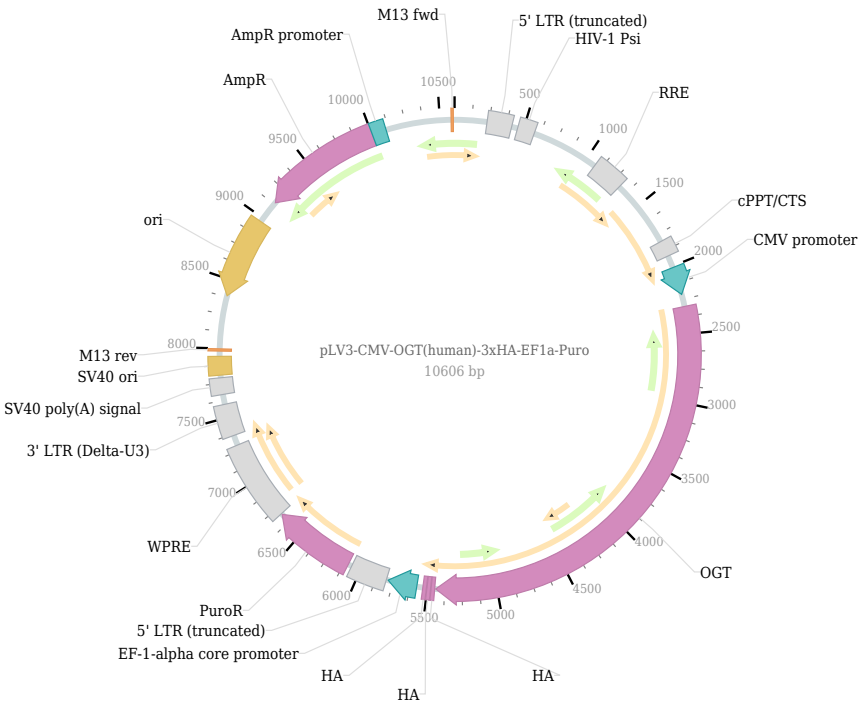
pLV3-CMV-OGT(human)-3xHA-EF1a-Puro

载体编号 Vector ID	V025147
登录号 Accession ID	NM_181672.3
抗性 Antibiotic Resistance	Ampicillin
长度 Length	10606 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
启动子 Promoter	CMV
融合标签 Fusion Tag	3xHA
培养菌株 Growth Strain(s)	Stbl3
表达方式 Expression Method	Constiutive, Stable / Transient
备注 Comment	pLV3-CMV-OGT-3xHA-EF1a-Puro (10.6 kb) is a lentiviral vector for stable overexpression of human OGT (O-GlcNAc transferase) in mammalian cells. The CMV promoter drives expression of the OGT gene fused with a 3xHA tag for detection. An independent EF-1α core promoter drives PuroR for puromycin selection. The vector includes lentiviral packaging elements (5' LTR, HIV-1 Ψ, RRE, cPPT/CTS, WPRE, 3' ΔU3 LTR) and bacterial elements (AmpR, pUC ori, M13 sites). This design allows efficient transduction, genomic integration, and antibiotic selection of target cells.

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 ℃.