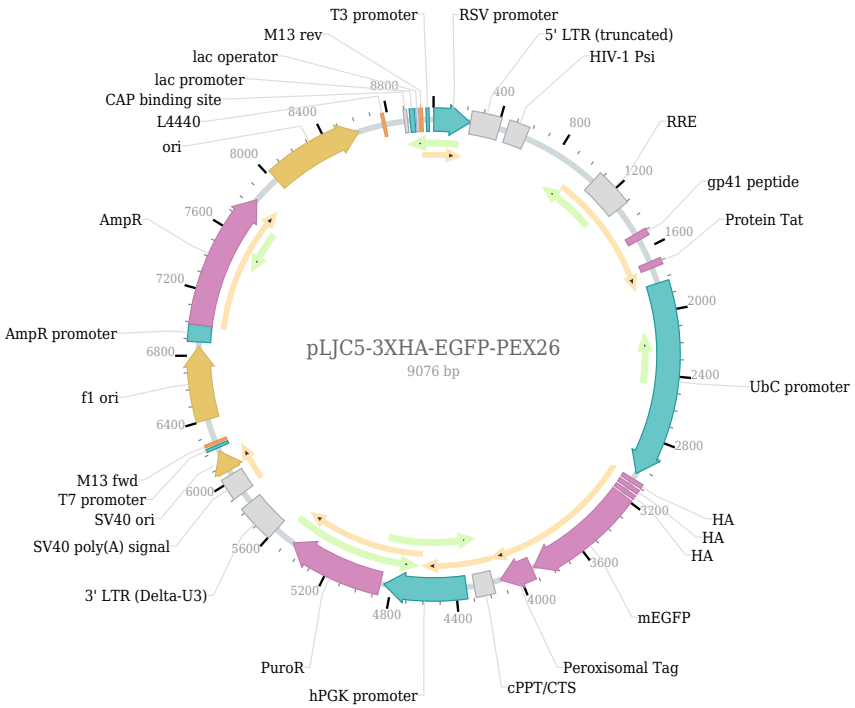
pLJC5-3XHA-EGFP-PEX26

载体编号 Vector ID	V012108
登录号 Accession ID	HA-PEROXO
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9076 bp
载体类型 Vector Type	Lentiviral

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Puromycin
启动子 Promoter	UbC
克隆方法 Cloning Method	Restriction Enzyme
5' 引物 5' Primer	TGAAGCTCCGGTTTTGAACT
备注 Comment	pLJC5-3XHA-EGFP-PEX26 is a lentiviral plasmid also named HA-PEROXO, driven by the UBC promoter to express a chimeric peroxisome-targeted fusion protein. This fusion protein consists of tandem 3XHA epitopes, monomeric EGFP and the peroxisomal membrane-targeting fragment of human PEX26, which inserts the tag into peroxisomal membranes in human cells. Cells transduced with this construct enable the PEROXO-IP workflow, using anti-HA magnetic beads to isolate intact peroxisomes within ~10 minutes after cell homogenization for proteomic research. Its expression barely disturbs endogenous peroxisome morphology and protein levels, serving as a specific tool for rapid peroxisome purification compared with traditional density-gradient centrifugation methods.

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 ℃.