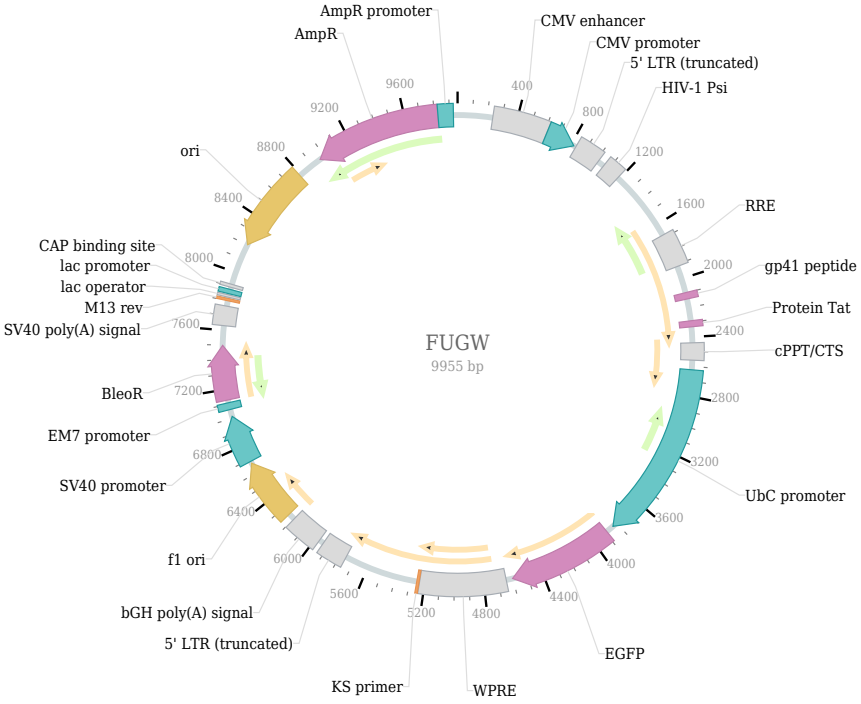
FUGW

载体编号 Vector ID	V012407
抗性 Antibiotic Resistance	Ampicillin
长度 Length	9955 bp
载体类型 Vector Type	Lentiviral vectors

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High copy number
启动子 Promoter	UbC
克隆方法 Cloning Method	Enzyme digestion and ligation
5' 引物 5' Primer	hUBCpro-F: TGAAGCTCCGGTTTTGAACT
3' 引物 3' Primer	EGFP-N: CGTCGCCGTCCAGCTCGACCAG
融合标签 Fusion Tag	C-EGFP
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	FUGW is a lentiviral transfer plasmid featuring the ubiquitin C (Ubc) promoter driving expression of GFP. It includes a WPRE element to boost transgene expression and a PGK-puromycin resistance cassette. Widely used for neuronal tracing and stable gene expression in mammalian cells. Please note: there are 2 gaps upstream of the EGFP between author's provided sequence and Addgene's quality control sequence. These gaps are in the non-coding vector region and should not affect the expression of EGFP.

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 ℃.