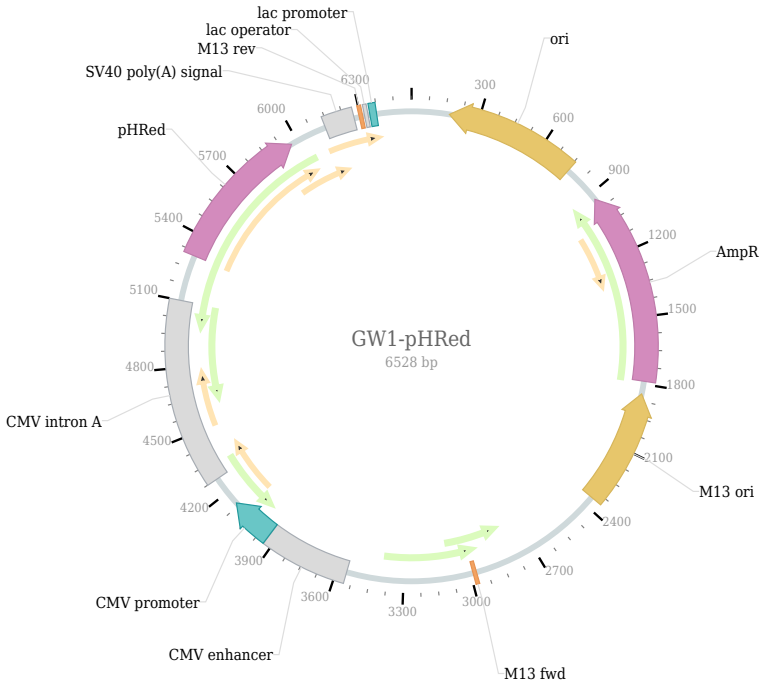
GW1-pHRed

载体编号 Vector ID	V017270
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6528 bp
载体类型 Vector Type	Gene expression
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
启动子 Promoter	CMV
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	37℃
备注 Comment	GW1-pHRed (6.5 kb) is a genetically encoded pH sensor for live-cell imaging. It expresses a pH-sensitive variant of the red fluorescent protein mKeima, created by targeted mutagenesis. Driven by a CMV promoter, the sensor's fluorescence changes reversibly with pH, allowing ratiometric measurement of intracellular pH in mammalian cells. The plasmid also carries an ampicillin resistance gene and a pBR322 origin.

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 ℃.