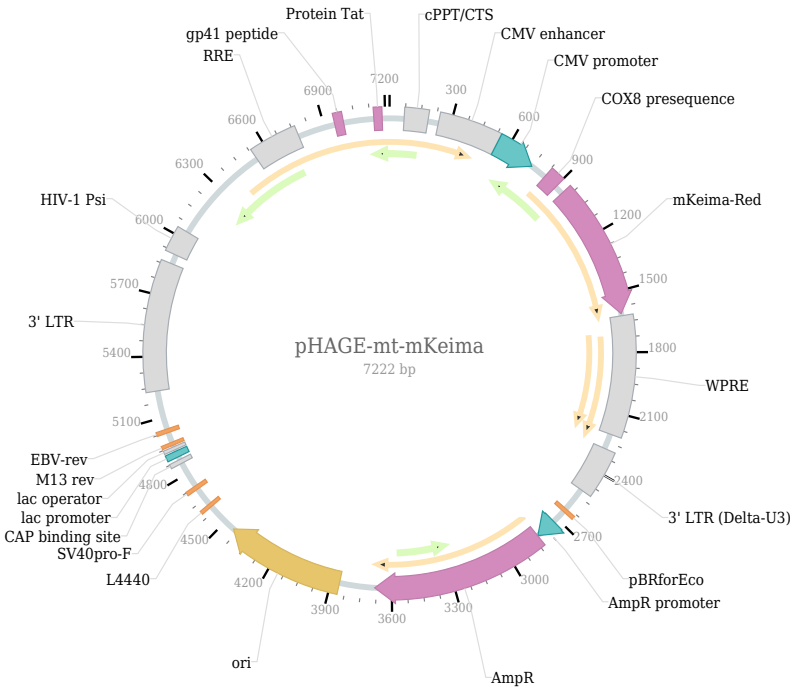
pHAGE-mt-mKeima

载体编号 Vector ID	V011844
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7222 bp
载体类型 Vector Type	Mammalian Expression, Lentiviral

产品信息

复制子 Replication Origin	ori
拷贝数 Copy Number	High Copy
启动子 Promoter	CMV
克隆方法 Cloning Method	Gibson Cloning
5' 引物 5' Primer	CGCAAATGGGCGGTAGGCGTG
3' 引物 3' Primer	ATAGCGTAAAAGGAGCAACA
培养菌株 Growth Strain(s)	stbl3
培养温度 Growth Temperature	37℃
备注 Comment	pHAGE-mt-mKeima is a lentiviral expression vector for monitoring mitophagy. It encodes the fluorescent protein mKeima fused to a mitochondrial targeting sequence, enabling ratiometric pH-based detection of mitochondrial delivery to lysosomes via fluorescence microscopy.

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 ℃.