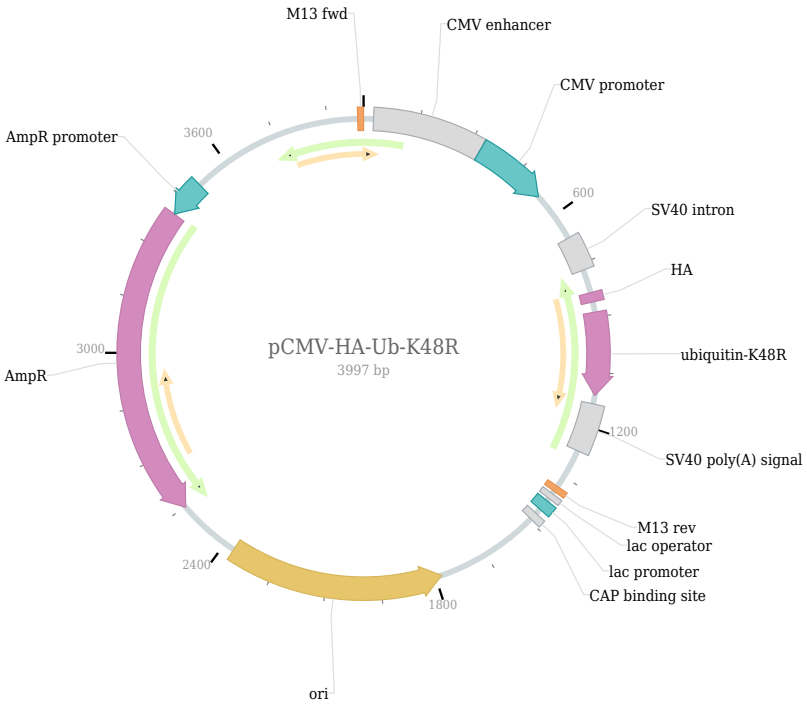
pCMV-HA-Ub-K48R

载体编号 Vector ID	V015194
抗性 Antibiotic Resistance	Ampicillin
长度 Length	3997 bp
载体类型 Vector Type	Protein 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)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	The pCMV-HA-Ub-K48R is a mammalian expression plasmid designed for ubiquitination studies. It uses the CMV promoter to drive expression of an N-terminal HA-tagged ubiquitin mutant where lysine 48 is mutated to arginine (K48R). This mutation specifically inhibits the formation of K48-linked polyubiquitin chains, which are primarily associated with targeting proteins for proteasomal degradation. The plasmid includes an SV40 poly(A) signal for mRNA stability and an ampicillin resistance gene (AmpR) for bacterial selection in hosts like DH5α. It is widely used to investigate proteasome-independent roles of ubiquitination.

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 ℃.