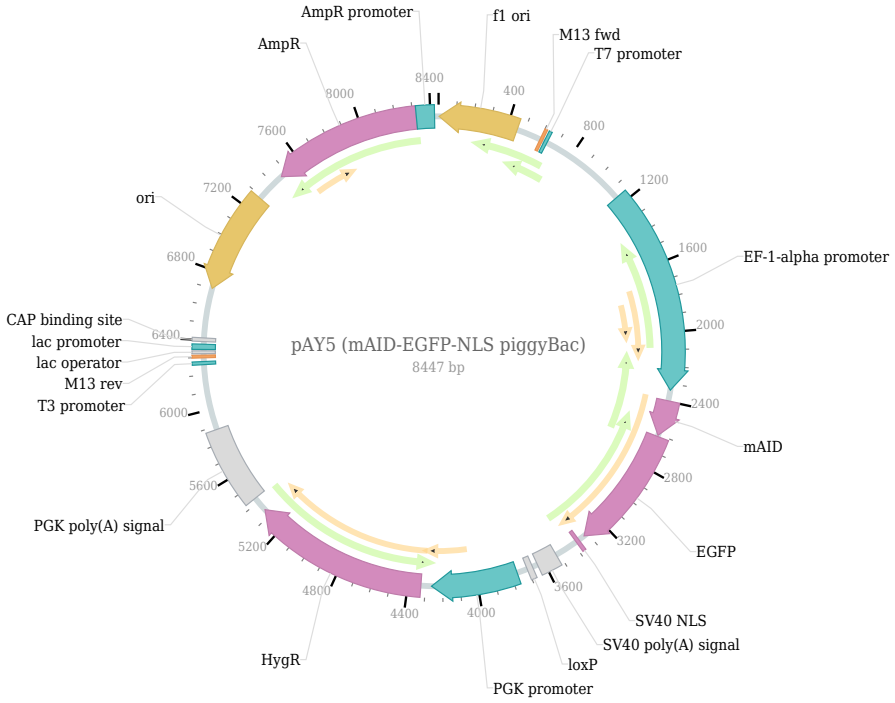
pAY5 (mAID-EGFP-NLS piggyBac)

载体编号 Vector ID	V017300
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8447 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Hyg
启动子 Promoter	EF-1α
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pAY5 is a piggyBac-based mammalian reporter plasmid carrying the mAID-EGFP-NLS fusion cassette driven by the EF-1α promoter. It bears a hygromycin resistance marker for stable cell line selection and serves to quantify protein degradation in AID/AID2 systems via nuclear EGFP fluorescence. Researchers use this vector to assess leaky basal degradation, ligand sensitivity and depletion kinetics of OsTIR1 variants in human cells. It acts only as a reporter tool rather than a donor plasmid for endogenous gene tagging.

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 ℃.