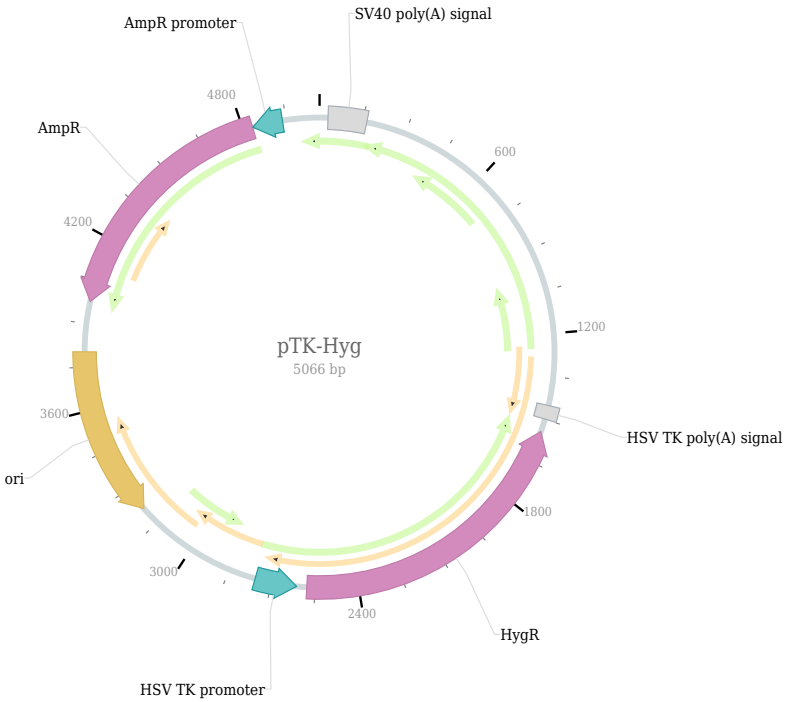
pTK-Hyg

载体编号 Vector ID	V000776
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5066 bp
载体类型 Vector Type	Tetracycline Regulatory System

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Hyg
启动子 Promoter	HSV TK
克隆方法 Cloning Method	Enzyme digestion and ligation
培养菌株 Growth Strain(s)	Top10
培养温度 Growth Temperature	37℃
备注 Comment	pTK-Hyg is a selection vector that confers hygromycin resistance in mammalian cells for the selection of stably transformed cells. pTK-Hyg is especially useful for selection of double-stable cell lines using the Tet-On or Tet-Off Gene Expression Systems because the absence of an enhancer element on pTK-Hyg prevents the unwanted activation of pTRE- and pBI-derived plasmids upon cointegration into the host cell's genome.pTK-Hyg can be cotransfected into the host cell line with an expression plasmid that contains a gene of interest using any standard transfection technique. Most mammalian cell lines require 200 µg/ml of Hygromycin to select for stably transformed cells.

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 ℃.