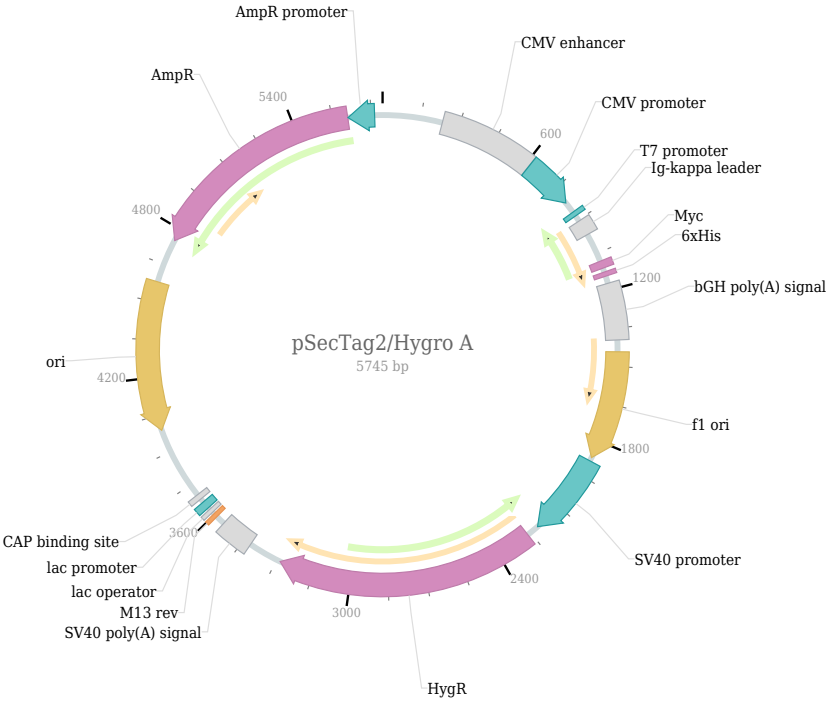
pSecTag2/Hygro A

载体编号 Vector ID	V012793
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5745 bp
载体类型 Vector Type	Mammalian Expression Vectors

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Thermo Fisher Scientific
筛选标记 Selection Marker	Hygromycin
拷贝数 Copy Number	High copy number
启动子 Promoter	CMV
克隆方法 Cloning Method	Enzyme Cut
5'引物 5' Primer	TAATACGACTCACTATAGGG
融合标签 Fusion Tag	His Tag (6x), c-Myc Epitope Tag, IgK Leader Sequence
备注 Comment	pSecTag2 and pSecTag2/Hygro are mammalian expression vectors designed for the secretion, purification, and detection of fusion proteins. Each vector has a large multiple cloning site in three reading frames to simplify cloning in frame with the N-terminal secretion signal. The vectors (Figure 1) offer the following features:1.Secretion signal from the V-J2-C region of the mouse Ig kappa-chain for efficient secretion of recombinant proteins; 2. Cytomegalovirus (CMV) promoter for high-level constitutive expression; 3.C-terminal polyhistidine (6xHis) tag for rapid purification with nickel-chelating resin and detection with an Anti-His(C-term) Antibody; 4. C-terminal c-myc epitope for detection with an Anti-myc Antibody; 5. Bovine Growth Hormone (BGH) polyadenylation signal and transcription termination sequence to enhance mRNA stability; 5. SV40 origin for episomal replication and simple vector rescue in cell lines expressing the large T antigen (e.g., COS-1, COS-7). The pSecTag2 vectors carry the Zeocin™ resistance gene for cost-effective selection in mammalian cells. Zeocin™ selection can also be used in E. coli.The pSecTag2/Hygro vectors have the Hygromycin B resistance gene for selection of stable mammalian cell lines.

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 ℃.