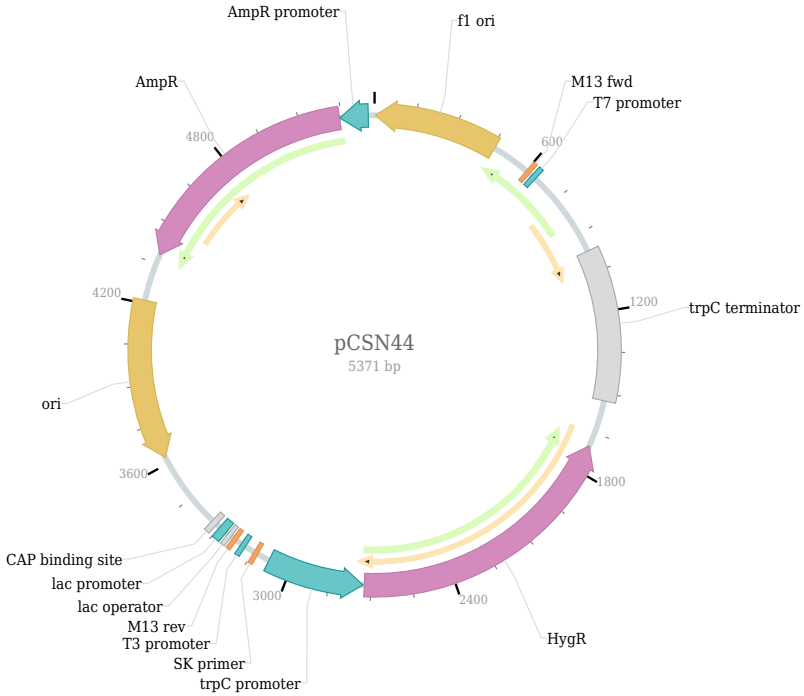
pCSN44

载体编号 Vector ID	V008136
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5371 bp
载体类型 Vector Type	Fungal expression vector

产品信息

复制子 Replication Origin	ori
来源 Source/Author	De Schamphelaire W, Olbrechts A, Meert J, Verhelst K, Roggeman Fonseca M, Vanhoucke M, Beyaert R.
启动子 Promoter	trpC
培养菌株 Growth Strain(s)	Top10
备注 Comment	pCSN44 is a fungal expression vector with trpC promoter driving hygromycin B phosphotransferase gene, pBluescript SK backbone, Amp resistance, for filamentous fungal genetic transformation and selection. The Aspergillus nidulans trpC promoter (PtrpC) is a constitutive, moderate-strength promoter widely used for heterologous gene expression and marker-gene transcription in filamentous fungi. It exhibits no transcriptional activity in mammalian cells or Saccharomyces cerevisiae. Plasmids carrying PtrpC can be propagated in E. coli for cloning purposes without driving target-gene expression in bacteria.

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 ℃.