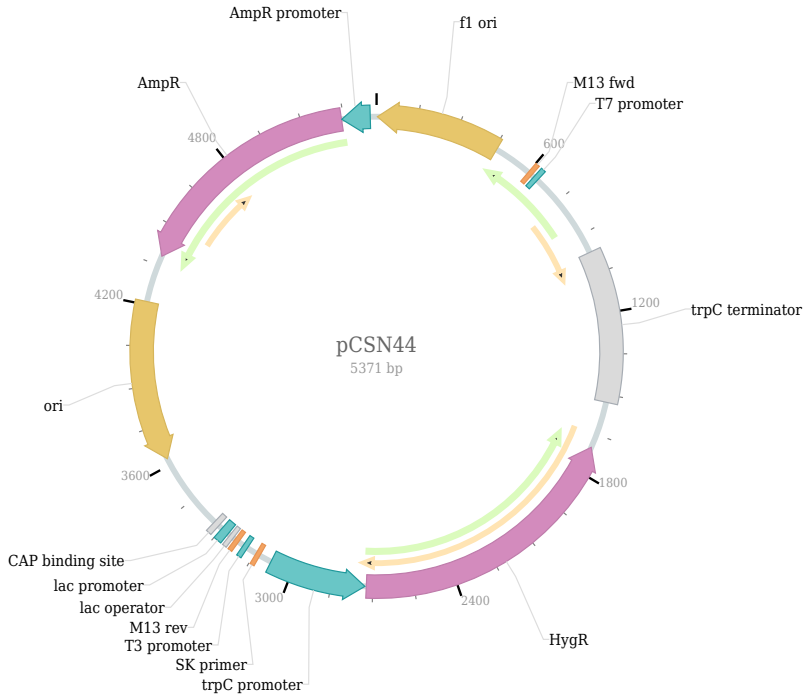
pCSN44

Vector ID	V008136
Antibiotic Resistance	Ampicillin
Length	5371 bp
Vector Type	Fungal expression vector

Product Information

Replication Origin	ori
Source/Author	De Schamphelaire W, Olbrechts A, Meert J, Verhelst K, Roggeman Fonseca M, Vanhoucke M, Beyaert R.
Promoter	trpC
Growth Strain(s)	Top10
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.

Vector Map



Plasmid Resuspension Protocol

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 ℃.