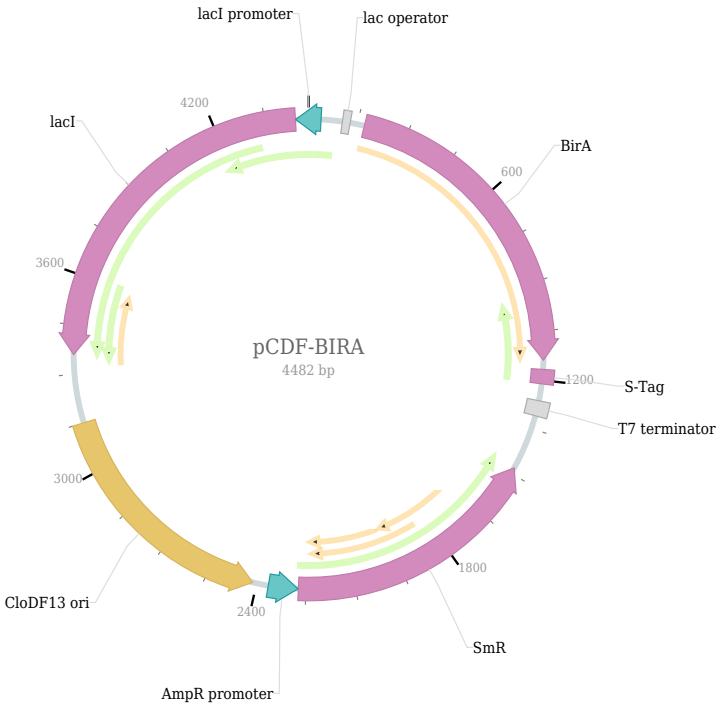
pCDF-BIRA

载体编号 Vector ID	V008639
抗性 Antibiotic Resistance	Spectinomycin
长度 Length	4482 bp
载体类型 Vector Type	Co-expression vector

产品信息

复制子 Replication Origin	CloDF13 ori
来源 Source/Author	Keates T, Cooper CD, Savitsky P, Allerston CK, Phillips C, Hammarstrom M, Daga N, Berridge G, Mahajan P, Burgess-Brown NA, Muller S, Graslund S, Gileadi O.
培养菌株 Growth Strain(s)	Stbl3
培养温度 Growth Temperature	37℃
备注 Comment	The pCDF-BIRA is a prokaryotic expression plasmid derived from the pCDF vector backbone (containing the CloDF13 replicon and streptomycin/spectinomycin resistance). It is designed for the inducible expression of BirA biotin protein ligase in Escherichia coli. BirA catalyzes the site-specific biotinylation of target proteins fused with an Avi-tag, and is widely used for protein labeling, purification, and interaction studies [1,2].

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 ℃.