pRS423

载体编号 Vector ID	V010219
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5799 bp
载体类型 Vector Type	Yeast Plasmids
宿主 Host	Yeast

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Christianson TW, Sikorski RS, Dante M, Shero JH, Hieter P.
筛选标记 Selection Marker	HIS3
拷贝数 Copy Number	High copy number
启动子 Promoter	HIS3
5' 引物 5' Primer	M13 fwd
3' 引物 3' Primer	M13 rev
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pRS423 is a high-copy yeast shuttle vector (YEp) from the pRS420 series, featuring a HIS3 selectable marker. Derived from pBluescript II SK+, it carries a 2μm replication origin (~20 copies/cell) and a 21-site MCS. Deposited at ATCC (77104), it is widely used for heterologous expression and genetic studies in his3 yeast strains. An upgraded version, pRSII423, offers improved restriction site compatibility.

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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 ℃.