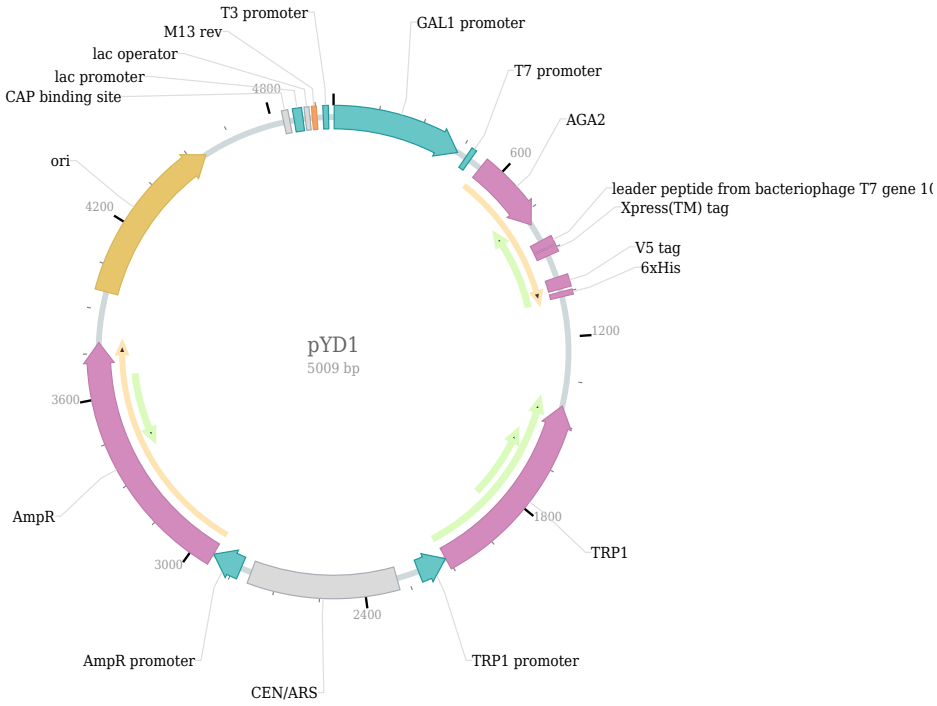
pYD1

载体编号 Vector ID	V012745
抗性 Antibiotic Resistance	Ampicillin
长度 Length	5009 bp
载体类型 Vector Type	Yeast Plasmids

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Invitrogen
筛选标记 Selection Marker	TRP1
拷贝数 Copy Number	High copy number
启动子 Promoter	GAL1
克隆方法 Cloning Method	Enzyme Cut
5' 引物 5' Primer	pYD1-F: AGTAACGTTTGTCAGTAATTGC
3' 引物 3' Primer	pYD1-R: GTCGATTTTGTTACATCTACAC
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	pYD1 is a 5.0 kb expression vector designed for expression, secretion, and display of proteins on the extracellular surface of Saccharomyces cerevisiae cells. The vector contains the following elements: 1. AGA2 gene from Saccharomyces cerevisiae. This gene encodes one of the subunits of the a-agglutinin receptor. Fusion of the gene of interest to AGA2 allows secretion and display of the protein of interest. 2. GAL1 promoter for regulated expression of the AGA2 gene fusion. 3. Xpress epitope and V5 epitope for detection of the displayed protein. 4. Polyhistidine (6xHis) tag for detection and possible purification on metal chelating resin. 5. TRP1 gene for selection in Saccharomyces cerevisiae. 6. CEN6/ARS4 for stable, episomal replication in yeast. 7. Ampicillin resistance gene and the pUC origin for selection and replication in E. coli.

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 ℃.