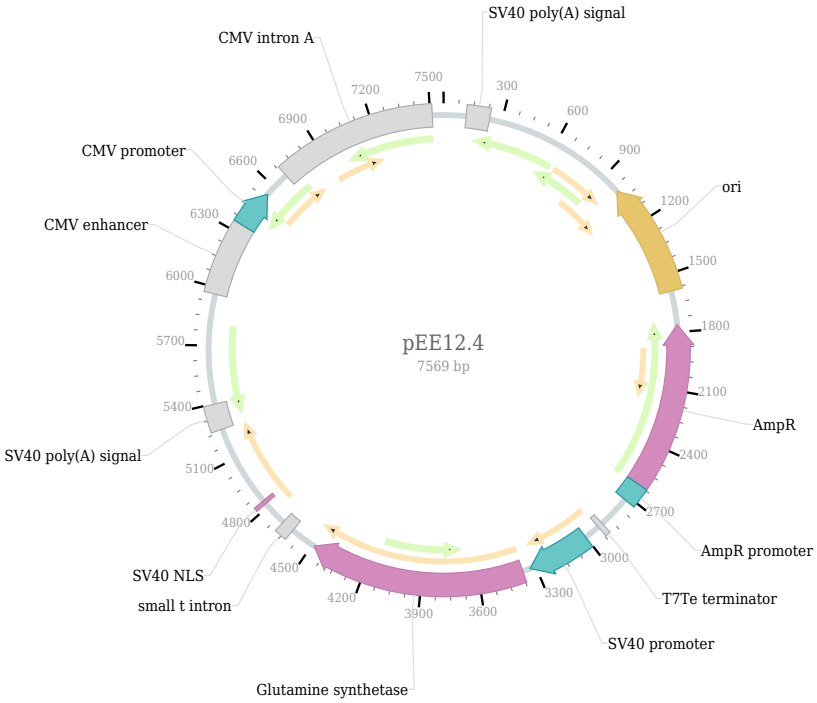
pEE12.4

载体编号 Vector ID	V012681
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7569 bp
载体类型 Vector Type	Mammalian Expression Vectors

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Lonza biologics
筛选标记 Selection Marker	GS(Glutamine Synthetase)
拷贝数 Copy Number	High copy number
启动子 Promoter	SV40
克隆方法 Cloning Method	Enzyme Cut
5'引物 5' Primer	CMV fwd
培养菌株 Growth Strain(s)	DH10B
表达方式 Expression Method	Constiutive, Stable
备注 Comment	The pEE12.4 plasmid is a mammalian - expression vector with multiple functions. Firstly, it contains strong promoters like the CMV enhancer and promoter, enabling efficient and stable transcription of target genes inserted into its multiple - cloning sites in mammalian cells, thus facilitating protein production. Secondly, it is commonly used for antibody expression. By inserting genes encoding antibody heavy or light chains, stable antibody - expressing cell lines can be established. Thirdly, the glutamine synthetase (GS) selection marker on pEE12.4 allows for the selection of transfected cells. Under specific culture conditions with appropriate selection pressure, only cells that have successfully taken up the plasmid and express GS can survive and proliferate, helping to isolate and enrich cells of interest.

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 ℃.