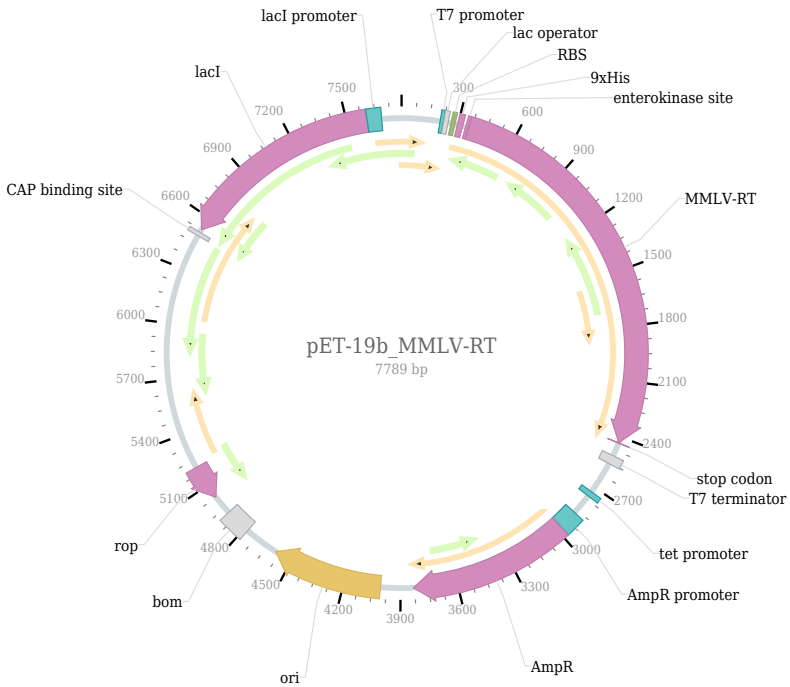
pET-19b_MMLV-RT

载体编号 Vector ID	V014409
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7789 bp
载体类型 Vector Type	Protein expression
宿主 Host	E. coli

产品信息

复制子 Replication Origin	ori
启动子 Promoter	T7
5' 引物 5' Primer	T7□TAATACGACTCACTATAGGG
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	30℃
备注 Comment	pET-19b_MMLV-RT is a prokaryotic (E. coli) expression plasmid in which a codon-optimized Moloney murine leukemia virus (M-MLV) reverse transcriptase gene was cloned into pET-19b with an N-terminal 10× His-tag; it carries ampicillin resistance and is used for IPTG-inducible recombinant M-MLV RT expression and Ni-NTA/Heparin purification, with the enzyme applied in reverse-transcription reactions (e.g., RT-LAMP for SARS-CoV-2 detection).

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 ℃.