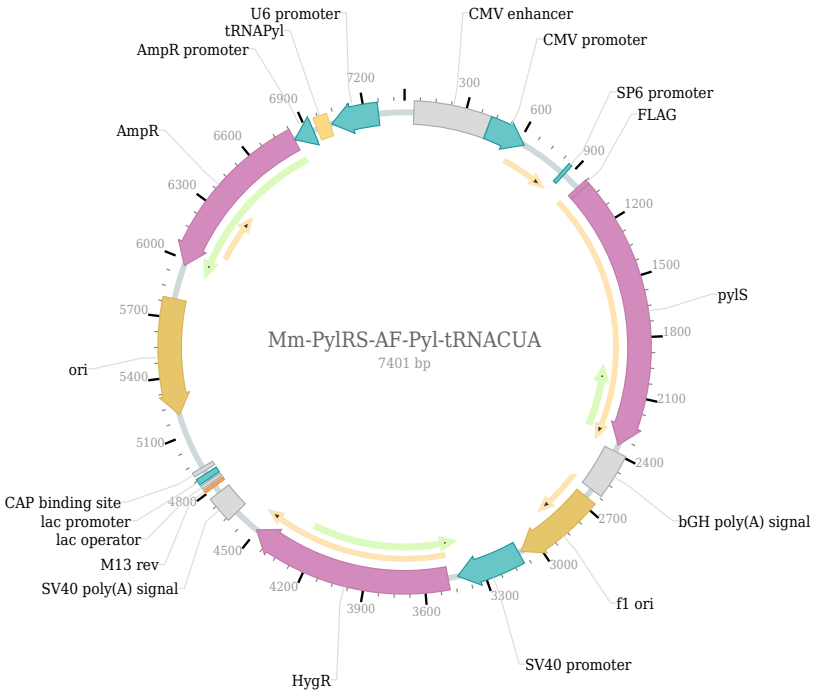
Mm-PylRS-AF-Pyl-tRNACUA

载体编号 Vector ID	V016759
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7401 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Hyg
启动子 Promoter	U6
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	Mm-PylRS-AF is the Pyrrolysine--tRNA ligase bearing the Y306A and Y384F mutations from Methanosarcina mazei. Mm-PylRS-AF enables the encoding of various bulky non-natural lysine derivatives by UAG. This allows for the incorporation of a wider range of amino acids into proteins than what is naturally possible, thus expanding the genetic code and the potential for creating proteins with novel properties and functions. Mm-PylRS-AF ligase catalyzes the attachment of bulky non-natural lysine derivatives to tRNACUA.

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 ℃.