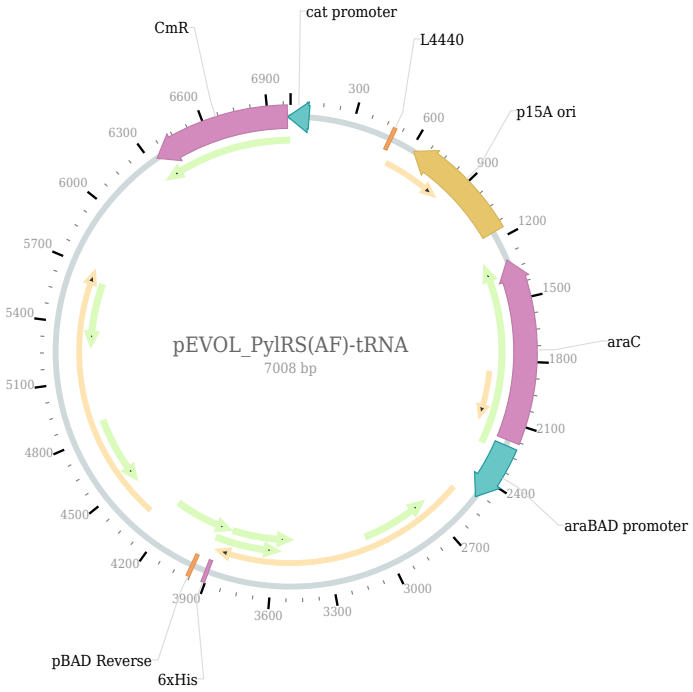
pEVOL_PylRS(AF)-tRNA

Vector ID	V047685
Antibiotic Resistance	Chloramphenicol
Length	7008 bp

Product Information

Source/Author	Edward Lemke Lab
Copy Number	Medium copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The orthogonal PylRS/tRNA pair enables genetic code expansion via amber stop codon suppression, allowing site-specific incorporation of noncanonical amino acids into proteins of interest.

Vector Map



Plasmid Resuspension Protocol

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 ℃.