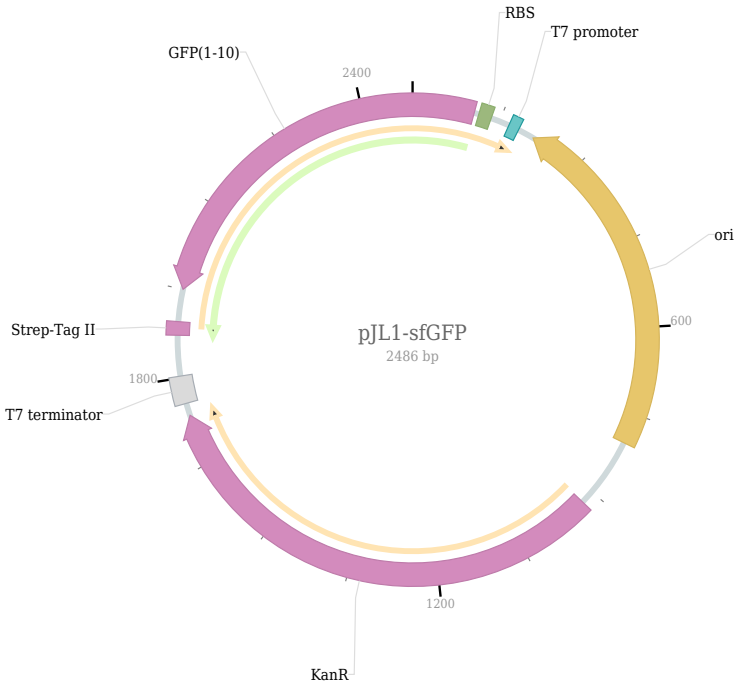
pJL1-sfGFP

Vector ID	V017553
Antibiotic Resistance	Kanamycin
Length	2486 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T7
5' Primer	T7
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pJL1-sfGFP is a compact plasmid designed for cell-free protein expression. It carries the T7 promoter driving sfGFP (superfolder GFP), a robust green fluorescent protein. This setup enables quick, reliable in vitro synthesis of sfGFP without transformation or cell culture. The vector also includes a kanamycin resistance gene for selection in E. coli and a pBR322 origin for high-copy replication.

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 ℃.