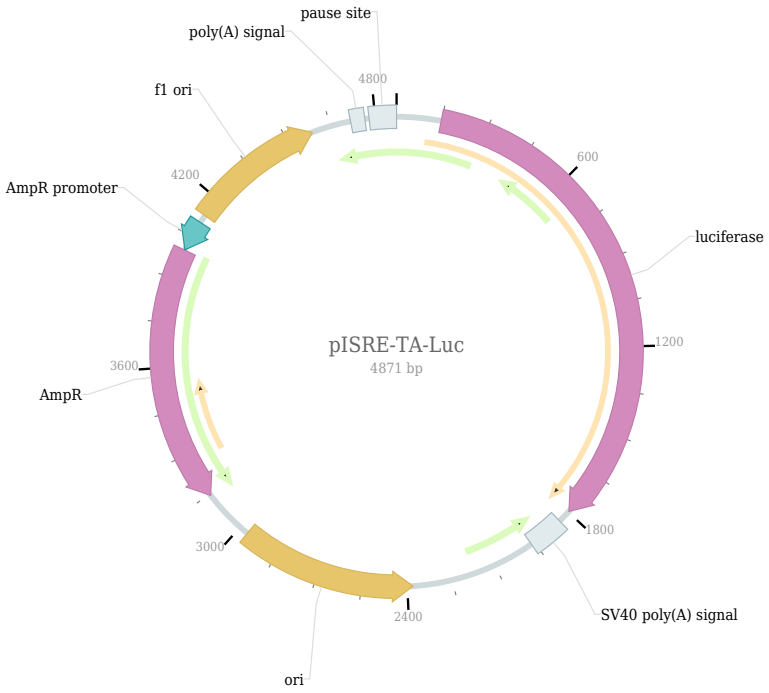
pISRE-TA-Luc

Vector ID	V013375
Antibiotic Resistance	Ampicillin
Length	4871 bp
Vector Type	Transcription factor reporter
Host	Mammalian cells

Product Information

Replication Origin	ori
Promoter	ISRE
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pISRE-TA-Luc is a mammalian signal pathway reporter plasmid, approximately 4.9 kb in size, designed for monitoring the activation of the interferon-stimulated response element (ISRE). It contains five copies of the ISRE enhancer element upstream of a minimal TA promoter, which drives the expression of the firefly luciferase reporter gene. This vector is used to study Jak/STAT signaling pathways induced by interferons and is selected with an ampicillin resistance marker in E. coli.

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 ℃.