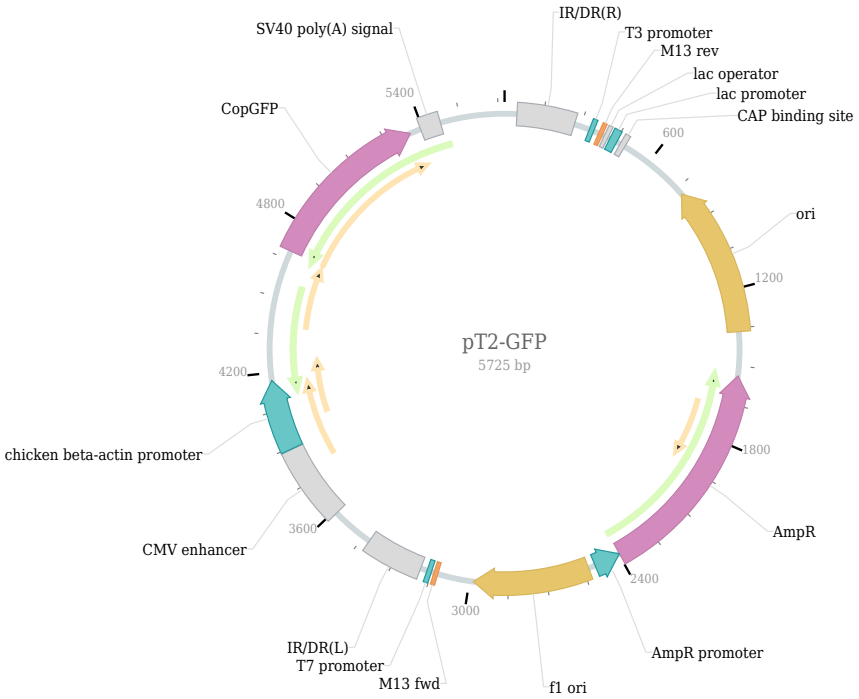
pT2-GFP

Vector ID	V013043
Antibiotic Resistance	Ampicillin
Length	5725 bp
Vector Type	Protein expression, Transposition
Host	Mammalian cells

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	chicken β-actin
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pT2-GFP is a second-generation Sleeping Beauty (SB) transposon vector, based on the T2 transposon system. Its core function is to achieve stable expression and transposon integration of exogenous genes within mammalian cells, whilst enabling direct visualisation of gene expression or cellular localisation through GFP fluorescence signalling.

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 ℃.