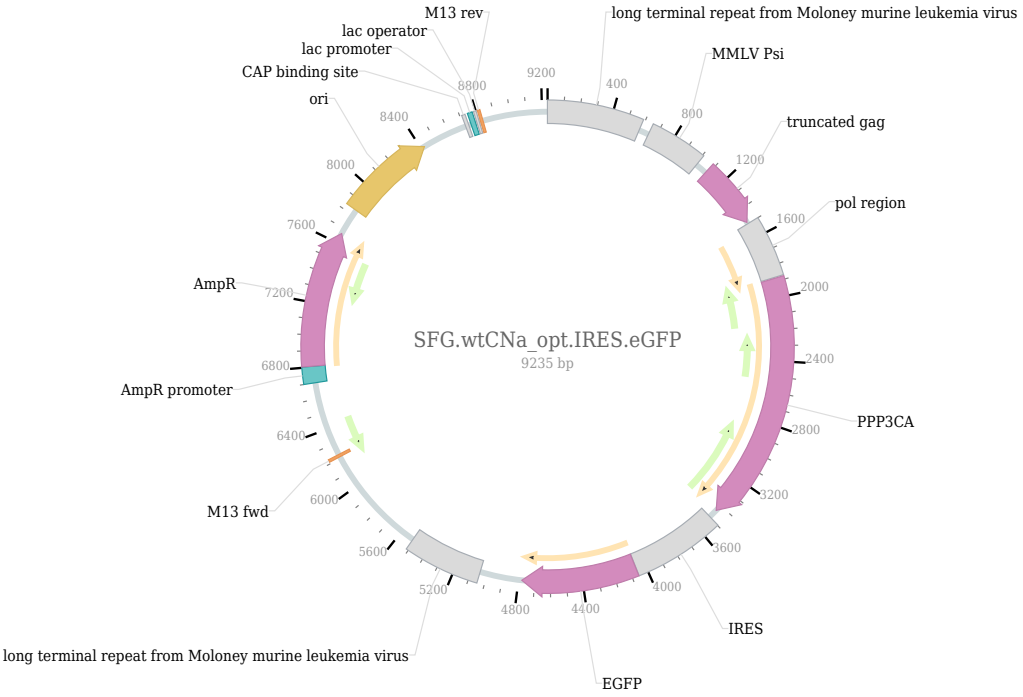
SFG.wtCNa_opt.IRES.eGFP

Vector ID	V016980
Antibiotic Resistance	Ampicillin
Length	9235 bp
Vector Type	Protein expression
Host	Mammalian cells, Retrovirus

Product Information

Replication Origin	ori
Promoter	MMLV
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	SFG.wtCNa_opt.IRES.eGFP is a retroviral expression vector that confers resistance to cyclosporine A inhibition in T cells via a codon-optimised wild-type calcineurin A (CNA) gene, whilst utilising an IRES element to enable synchronous eGFP expression for cell tracking. This vector is employed to generate anti-immunosuppression EB virus-specific T cells, sustaining their proliferative and cytotoxic functions within immunosuppressed environments.

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 ℃.