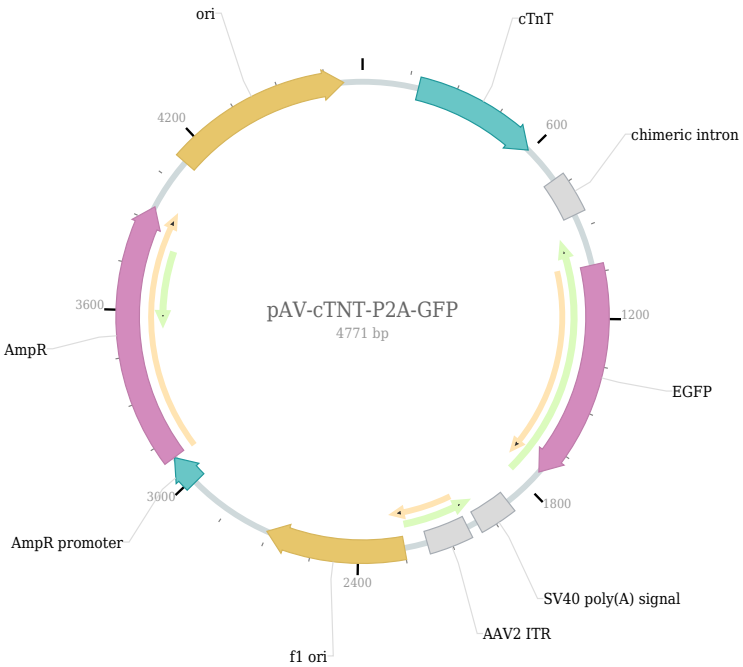
pAV-cTNT-P2A-GFP

Vector ID	V014086
Antibiotic Resistance	Ampicillin
Length	4771 bp
Vector Type	Protein expression
Host	Mammalian cells, Adeno-associated virus

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	cTnT
Fusion Tag	GFP
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pAV-cTNT-P2A-GFP is an AAV plasmid vector. It uses the cardiac-specific cardiac troponin T (cTNT) promoter to drive co-expression of a transgene and GFP via a self-cleaving P2A peptide, enabling targeted gene delivery and visualization in cardiomyocytes.

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 ℃.