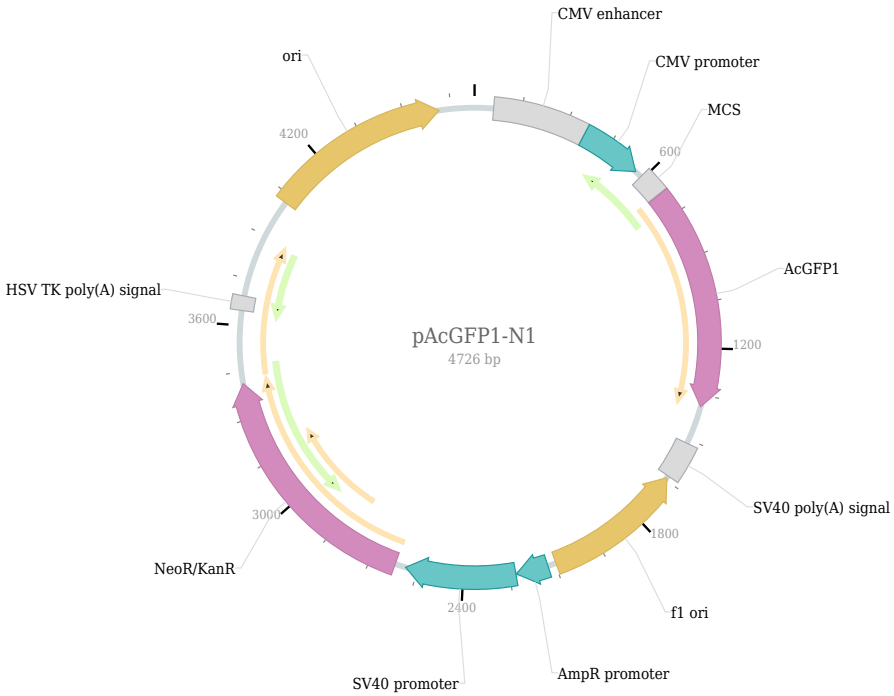
pAcGFP1-N1

Vector ID	V012074
Antibiotic Resistance	Kanamycin
Length	4726 bp
Vector Type	Fluorescent Protein Genes & Plasmids

Product Information

Replication Origin	ori
Source/Author	Clontech
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Growth Temperature	37℃
Comment	pAcGFP1-N1 is a mammalian expression vector that fuses a target protein to the N-terminus of AcGFP1 — a monomeric, human-codon-optimized green fluorescent protein from Aequorea coerulescens (Ex 475 / Em 505 nm). The CMV immediate early promoter drives expression; SV40 polyA processing follows. A Tn5 NeoR/KanR cassette selects with G418 (mammalian) or kanamycin (E. coli). Backbone: pUC ori, f1 ori, SV40 ori. Reading frame N1; N2/N3 exist.

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 ℃.