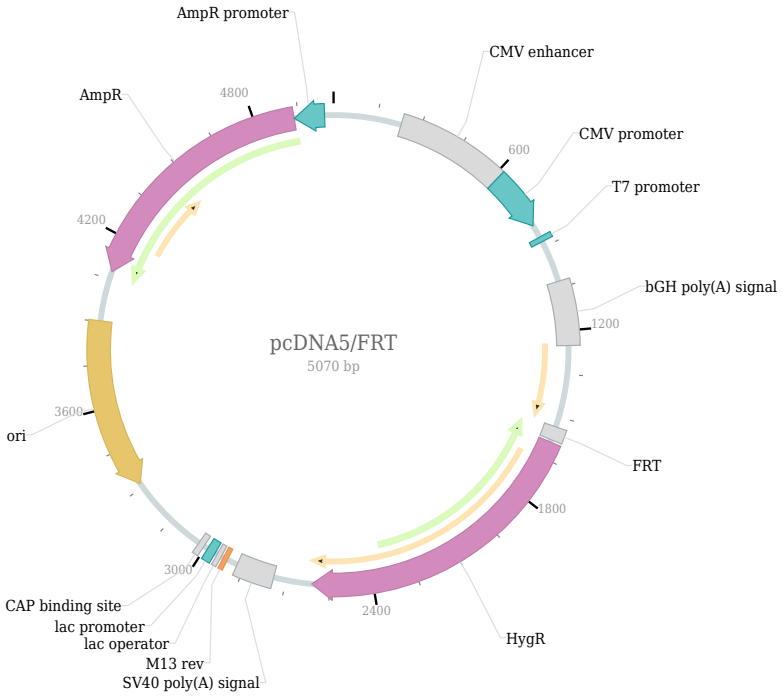
pcDNA5/FRT

Vector ID	V001456
Antibiotic Resistance	Ampicillin
Length	5070 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Invitrogen
Selection Marker	Hygromycin
Copy Number	High copy number
Promoter	CMV
Cloning Method	Enzyme Cut
5' Primer	T7 promoter
3' Primer	BGH Reverse primer
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pcDNA5/FRT vector is a 5.1 kb expression vector designed for use with the Flp-In™ System. This vector features: 1. CMV promoter for high level expression in mammalian cells; 2. ten unique restriction site for easy cloning; 3. FLP Recombination Target (FRT) site for Flp recombinase-mediated integration of the vector into the Flp-In™ host cell line and 4. Hygromycin resistance gene for selection of stable cell lines.

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 ℃.