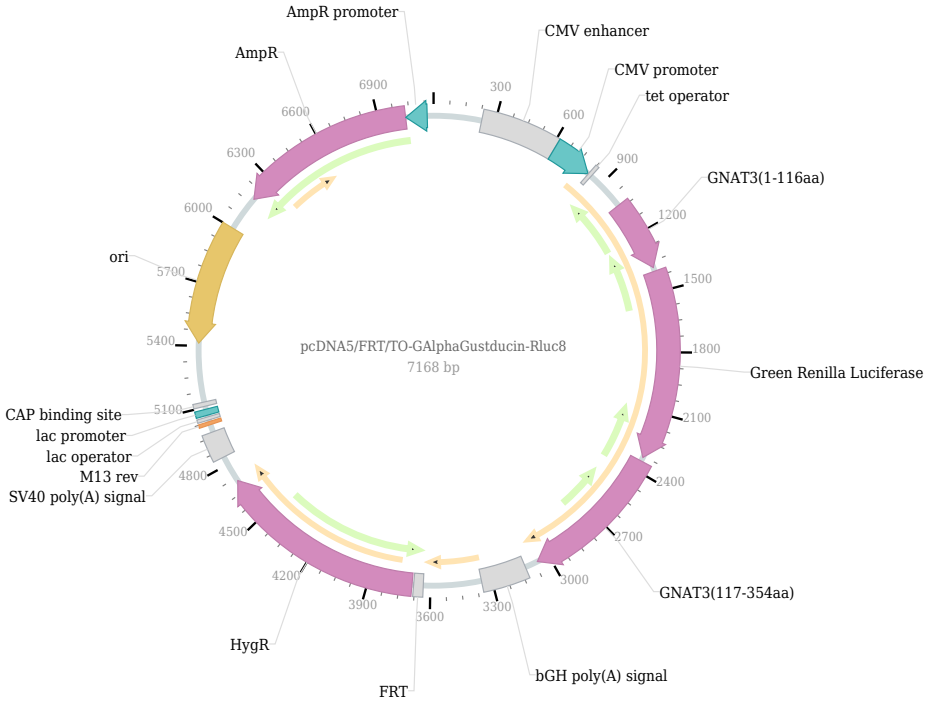
pcDNA5/FRT/TO-GAlphaGustducin-Rluc8

Vector ID	V017018
Antibiotic Resistance	Ampicillin
Length	7168 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Hyg
Promoter	CMV
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pcDNA5/FRT/TO-GAlphaGustducin-RLuc8 plasmid is an inducible mammalian expression vector. It encodes a fusion protein of the gustducin Gα subunit (GNAT3) and the optimized BRET donor RLuc8, enabling regulated expression for BRET-based assays. It can be used to study heterotrimeric G-protein dissociation.

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 ℃.