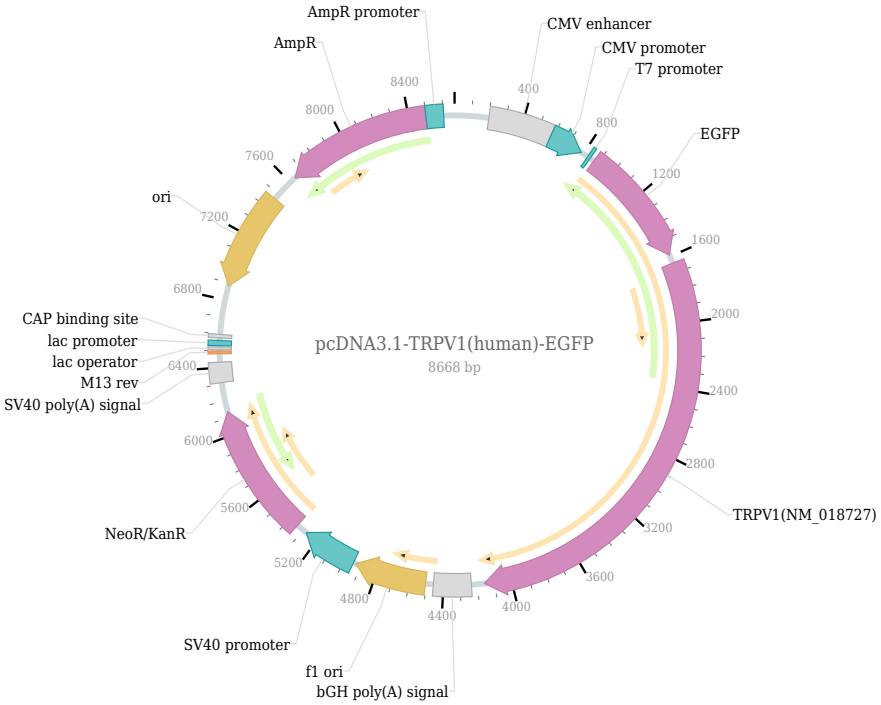
pcDNA3.1-TRPV1(human)-EGFP

Vector ID	V037844
Accession ID	NM_018727.5
Antibiotic Resistance	Ampicillin
Length	8668 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;EGFP
Copy Number	High
Promoter	CMV
Fusion Tag	EGFP
Growth Strain(s)	DH5a
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-TRPV1(human)-EGFP is a mammalian expression vector encoding human TRPV1 (vanilloid/capsaicin receptor) fused to EGFP in pcDNA3.1. Functional expression yields capsaicin-, heat-, and low pH-activated channels (Hayes et al. 2000); EGFP enables trafficking and localization studies.

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 ℃.