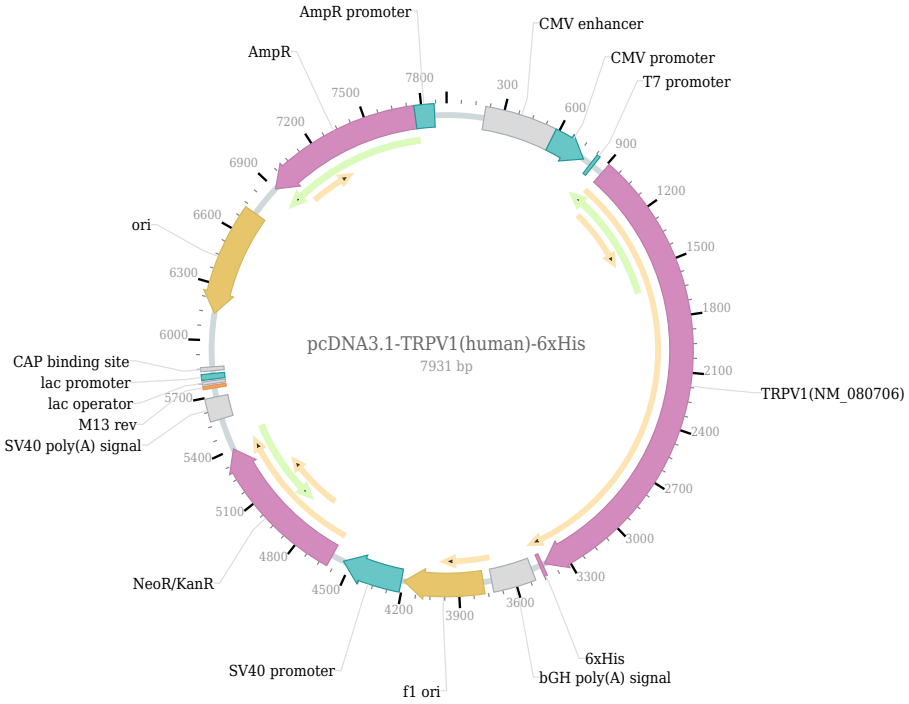
pcDNA3.1-TRPV1(human)-6xHis

Vector ID	V041546
Accession ID	NM_080706.3
Antibiotic Resistance	Ampicillin
Length	7931 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	6xHis
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-TRPV1(human)-6xHis drives expression of human TRPV1, a non-selective cation channel involved in the detection of noxious heat and chemical stimuli (such as capsaicin) and the mediation of pain sensation, with a 6xHis tag. This vector uses CMV and T7 promoters for expression and an SV40 promoter for NeoR/KanR selection. It also includes bGH poly(A) signal, AmpR, and ori for bacteria.

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 ℃.