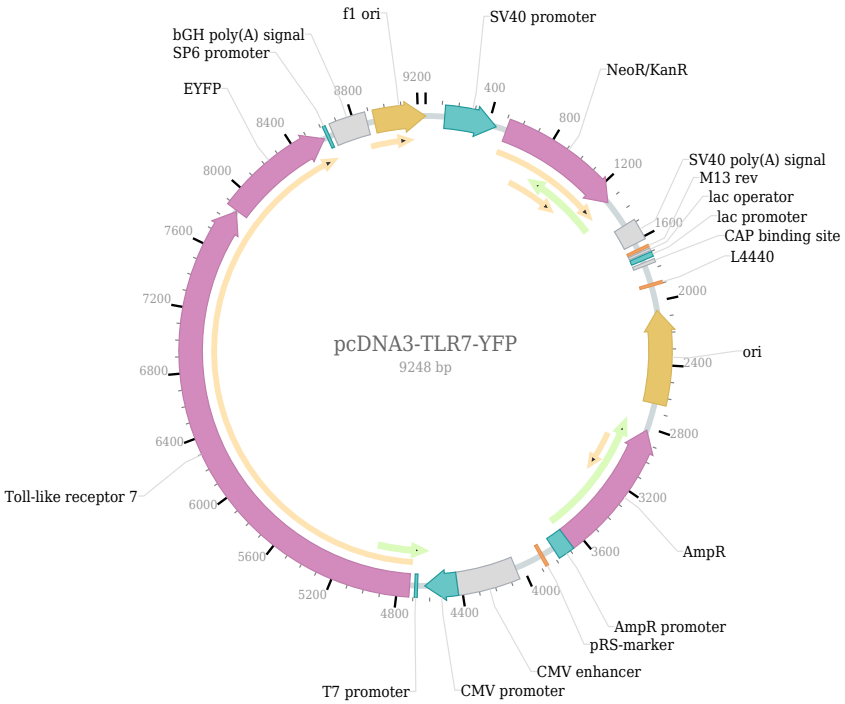
pcDNA3-TLR7-YFP

Vector ID	V012106
Antibiotic Resistance	Ampicillin
Length	9248 bp
Vector Type	Mammalian Expression

Product Information

Replication Origin	ori
Selection Marker	Neomycin (select with G418)
Copy Number	High Copy
Cloning Method	Restriction Enzyme
5' Primer	T7
3' Primer	GTCTTGTAGTTGCCGTCGTC
Growth Strain(s)	DH10B
Comment	It is designed for constitutive expression of the human Toll-like receptor 7 (TLR7) fused with YFP, driven by a strong CMV enhancer/promoter. The vector facilitates stable cell line generation using the NeoR/KanR gene. It also includes a T7 promoter for in vitro transcription and an AmpR gene for plasmid propagation in 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 ℃.