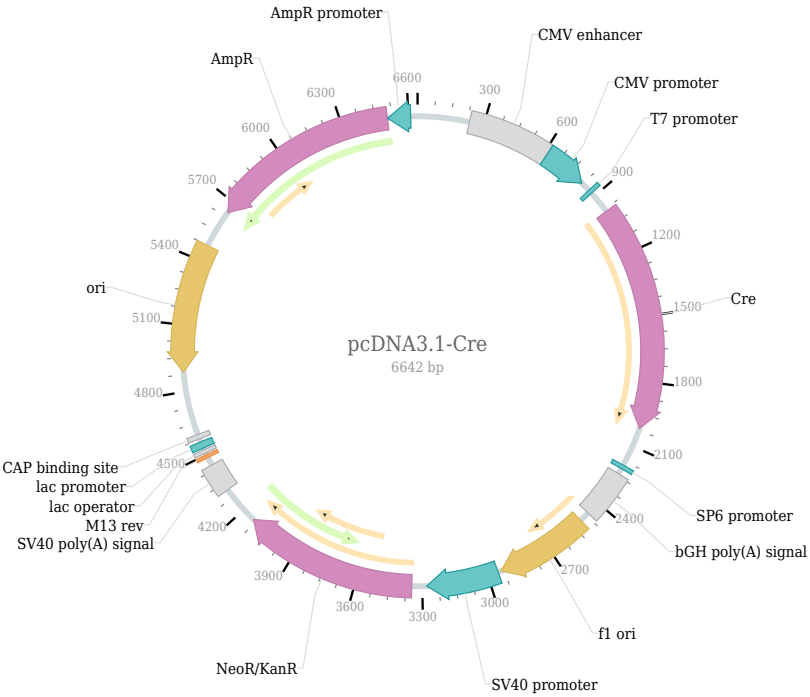
pcDNA3.1-Cre

Vector ID	V012087
Antibiotic Resistance	Ampicillin
Length	6642 bp
Vector Type	Mammalian Expression Vectors, Cre/Lox Systems

Product Information

Replication Origin	ori
Selection Marker	Neomycin (select with G418)
Promoter	CMV
Growth Strain(s)	DH5a
Comment	pcDNA3.1-Cre is designed to express the Cre recombinase gene, driven by the strong CMV promoter along with a T7 promoter. The vector includes the NeoR/KanR gene for antibiotic selection in mammalian cells and the AmpR gene for bacterial propagation. It also features the SV40 promoter and f1 ori for additional functionality.

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 ℃.