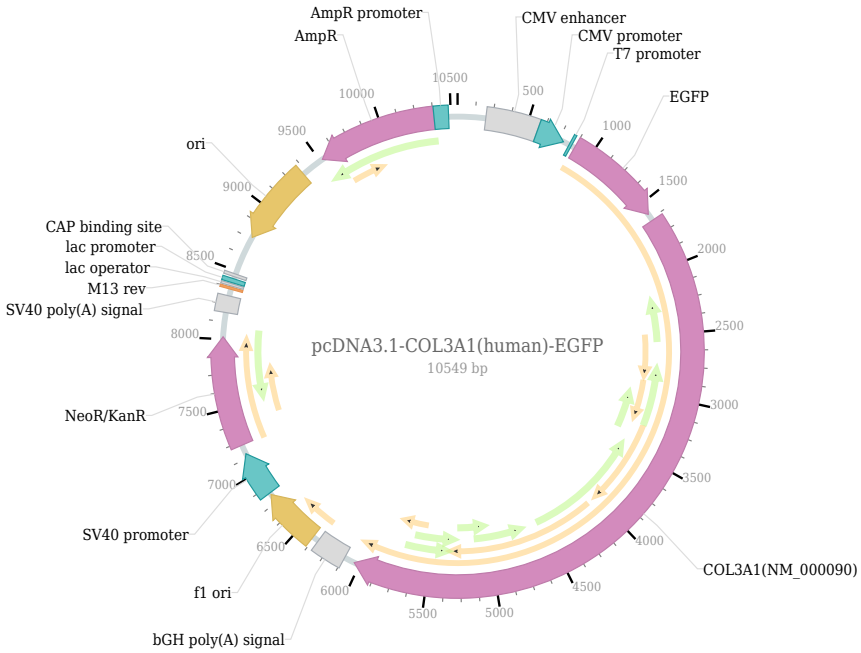
pcDNA3.1-COL3A1(human)-EGFP

Vector ID	V042302
Accession ID	NM_000090.4
Antibiotic Resistance	Ampicillin
Length	10549 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)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-COL3A1(human)-EGFP drives expression of human COL3A1, a major structural component of the extracellular matrix, with an EGFP tag. This 10549 bp eukaryotic 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 bacterial propagation.

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 ℃.