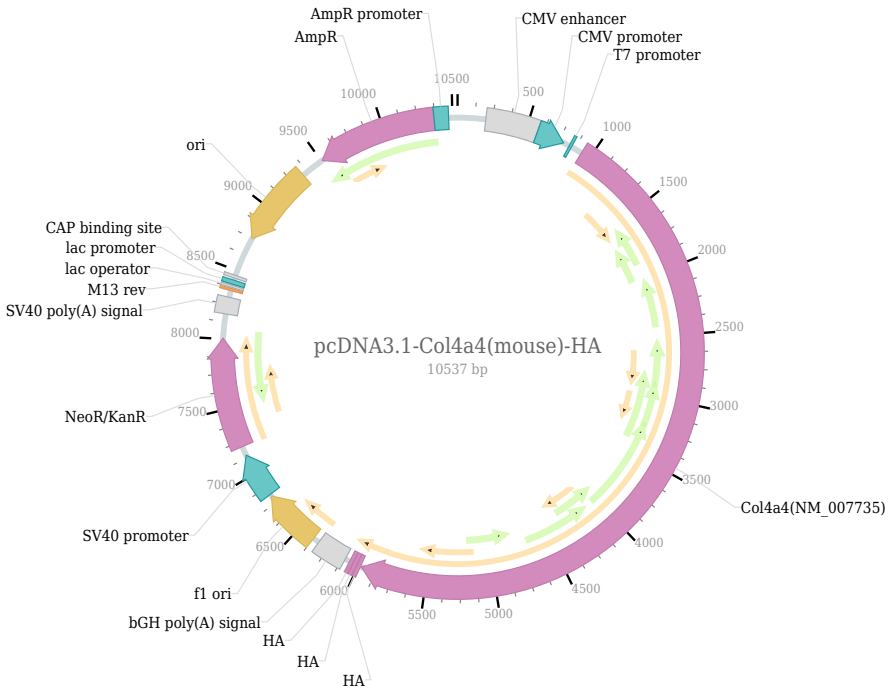
pcDNA3.1-Col4a4(mouse)-HA

Vector ID	V040807
Accession ID	NM_007735.2
Antibiotic Resistance	Ampicillin
Length	10537 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Copy Number	High
Promoter	CMV
3' Primer	BGH-R
Fusion Tag	HA
Growth Strain(s)	DH5a
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-Col4a4(mouse)-HA is a mammalian expression vector encoding the mouse type IV collagen alpha-4 chain (Col4a4) with an HA epitope tag in a pcDNA3.1 backbone. Enables expression and detection of Col4a4 for studies of basement membrane assembly and collagen-related renal and ocular disorders.

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 ℃.