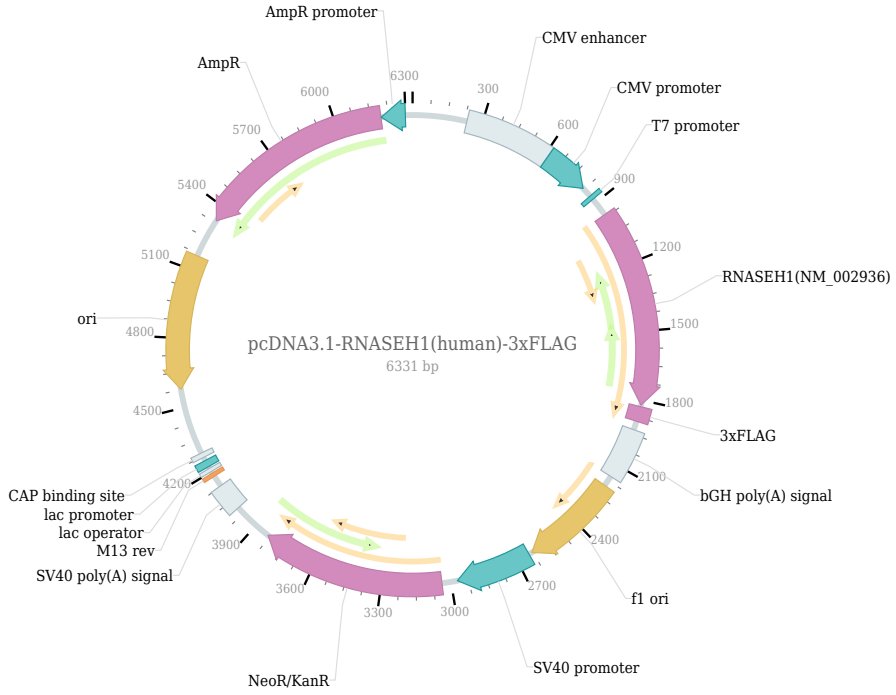
pcDNA3.1-RNASEH1(human)-3xFLAG

Vector ID	V043155
Accession ID	NM_002936.6
Antibiotic Resistance	Ampicillin
Length	6331 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	3xFLAG
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-RNASEH1(human)-3xFLAG is designed to express the human RNASEH1 gene (NM_002936) fused with a 3xFLAG tag at the C-terminus, driven by the strong CMV 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 origin and poly(A) signals for efficient DNA replication and transcription termination.

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 ℃.