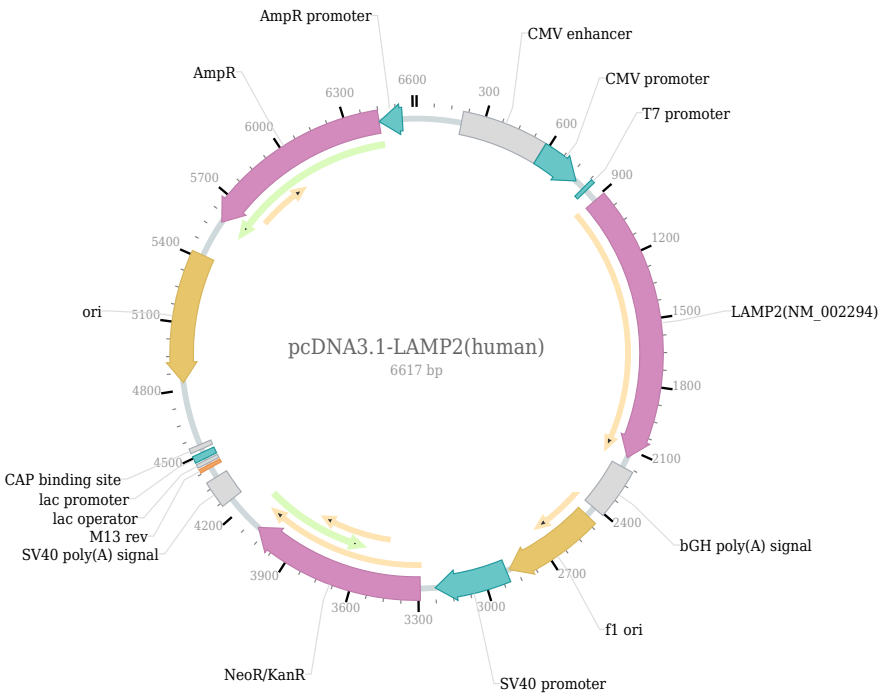
pcDNA3.1-LAMP2(human)

Vector ID	V043665
Accession ID	NM_002294.3
Antibiotic Resistance	Ampicillin
Length	6617 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
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-LAMP2(human) is designed to express the human LAMP2 gene (NM_002294). The construct utilizes a strong CMV promoter for high-level gene expression and includes an SV40 poly(A) signal for proper mRNA processing. The vector also contains the NeoR/KanR gene for antibiotic selection in mammalian cells and the AmpR gene 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 ℃.