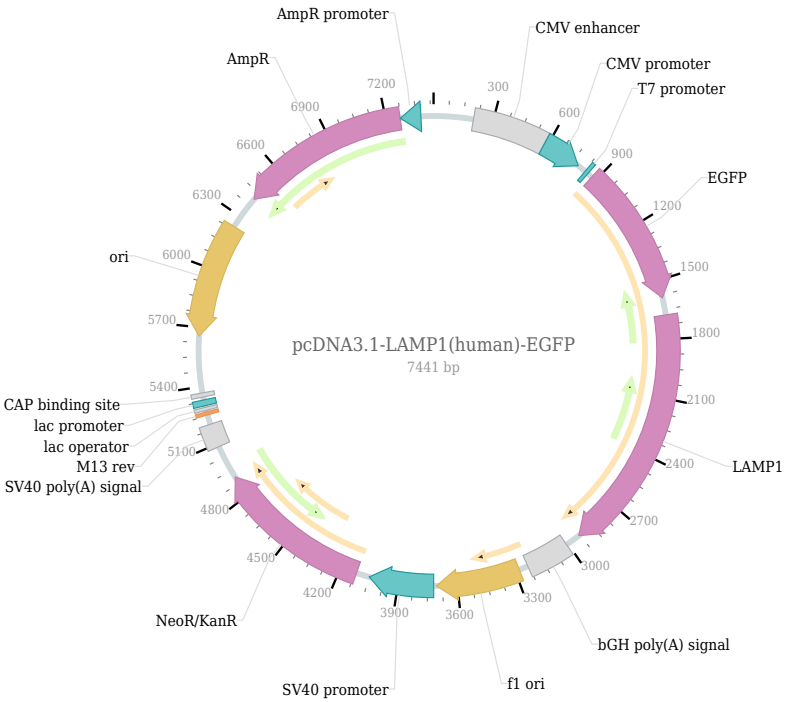
pcDNA3.1-LAMP1(human)-EGFP

Vector ID	V020564
Accession ID	NM_005561.4
Antibiotic Resistance	Ampicillin
Length	7441 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;EGFP
Promoter	CMV
Fusion Tag	EGFP
Expression Method	Transient
Comment	pcDNA3.1-LAMP1(human)-EGFP is designed to express a human LAMP1-EGFP fusion protein, driven by a strong CMV promoter. The construct includes an SV40 poly(A) signal for proper transcript termination and the NeoR/KanR gene for antibiotic selection. It also features the AmpR gene and bacterial origin for propagation in E. coli.

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 ℃.