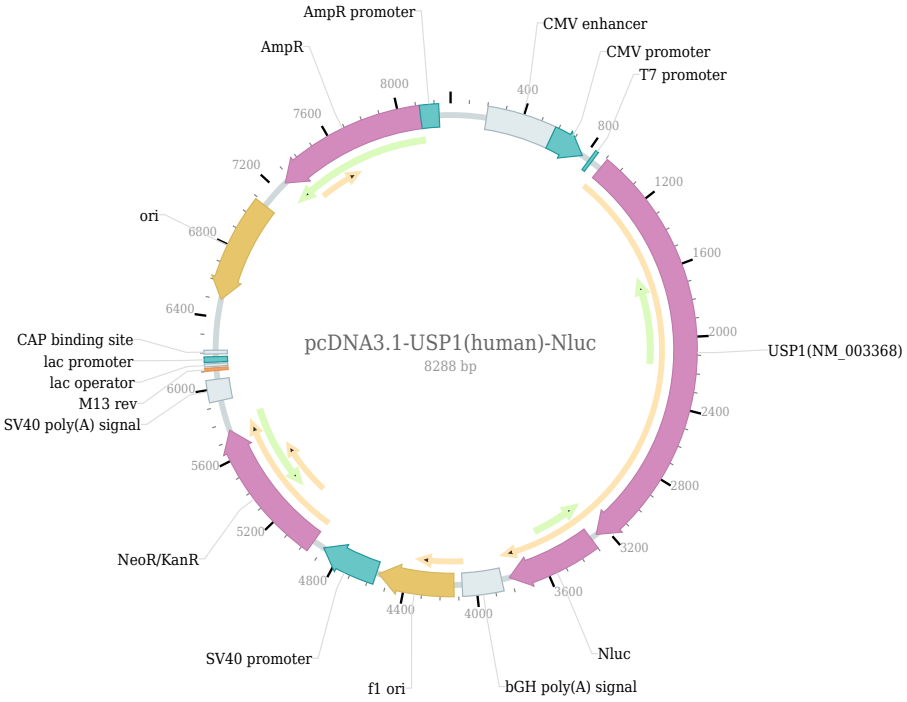
pcDNA3.1-USP1(human)-Nluc

Vector ID	V045940
Accession ID	NM_003368.5
Antibiotic Resistance	Ampicillin
Length	8288 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;Nluc
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	Nluc
Growth Strain(s)	DH5a
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-USP1(human)-Nluc is a mammalian expression vector for fusion of human USP1 with NanoLuc luciferase. The CMV promoter drives expression of full-length USP1 (NM_003368) fused with Nluc (NanoLuc, a small, bright luciferase) for real-time monitoring of USP1 expression by bioluminescence. The vector also includes NeoR/KanR (G418 resistance) for stable selection, AmpR for bacterial selection (100 μg/mL), pUC ori (high-copy), f1 ori, SV40 promoter/poly(A), bGH poly(A), and M13 priming sites.

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 ℃.