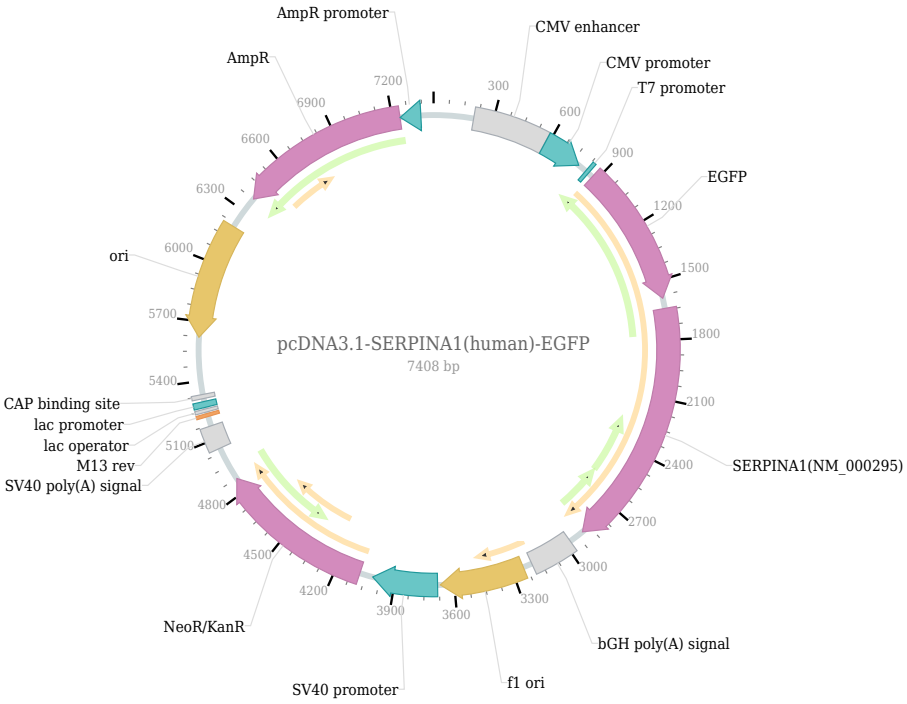
pcDNA3.1-SERPINA1(human)-EGFP

Vector ID	V028530
Accession ID	NM_000295.5
Antibiotic Resistance	Ampicillin
Length	7408 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;EGFP
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	EGFP
Growth Strain(s)	DH5a
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-SERPINA1(human)-EGFP (7.4 kb) is a mammalian expression vector for visualizing SERPINA1 (alpha-1 antitrypsin) localization. A CMV promoter drives expression of a SERPINA1-EGFP fusion protein, with EGFP fused at the C-terminus for direct fluorescence tracking. The vector also includes NeoR/KanR (G418 resistance) for stable selection, AmpR for bacterial selection, pUC ori, 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 ℃.