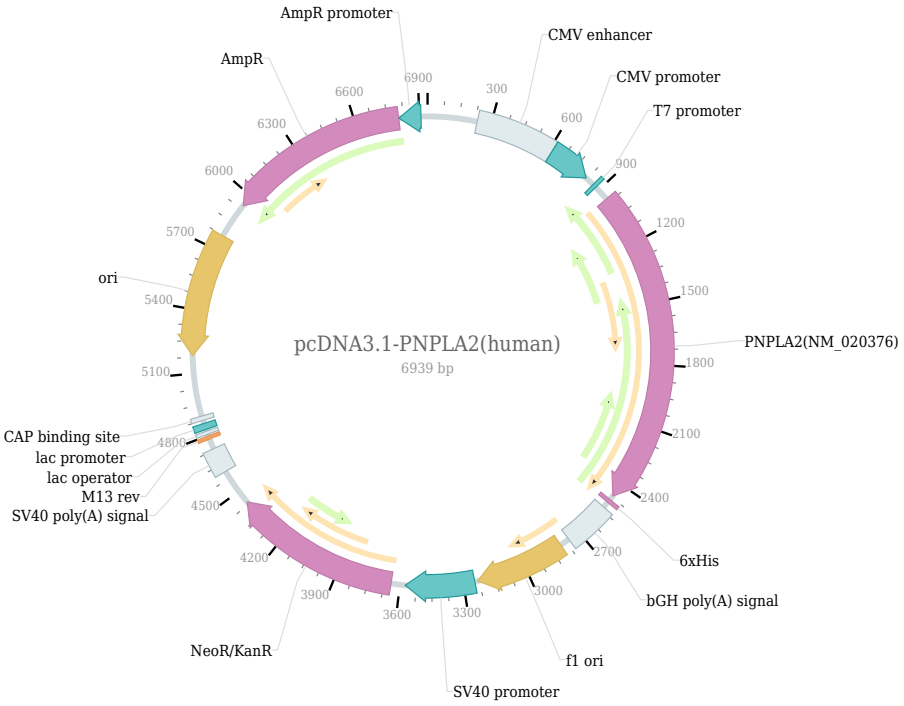
pcDNA3.1-PNPLA2(human)

Vector ID	V033061
Accession ID	NM_020376.4
Antibiotic Resistance	Ampicillin
Length	6939 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	CMV
5' Primer	CMV-F
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-PNPLA2(human) drives expression of human PNPLA2 (also known as adipose triglyceride lipase, ATGL), a key enzyme involved in triglyceride hydrolysis and lipid droplet metabolism, with a 6xHis tag. This 6939 bp eukaryotic vector uses CMV and T7 promoters for expression and an SV40 promoter for NeoR/KanR selection. It also includes bGH poly(A) signal, AmpR, and ori 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 ℃.