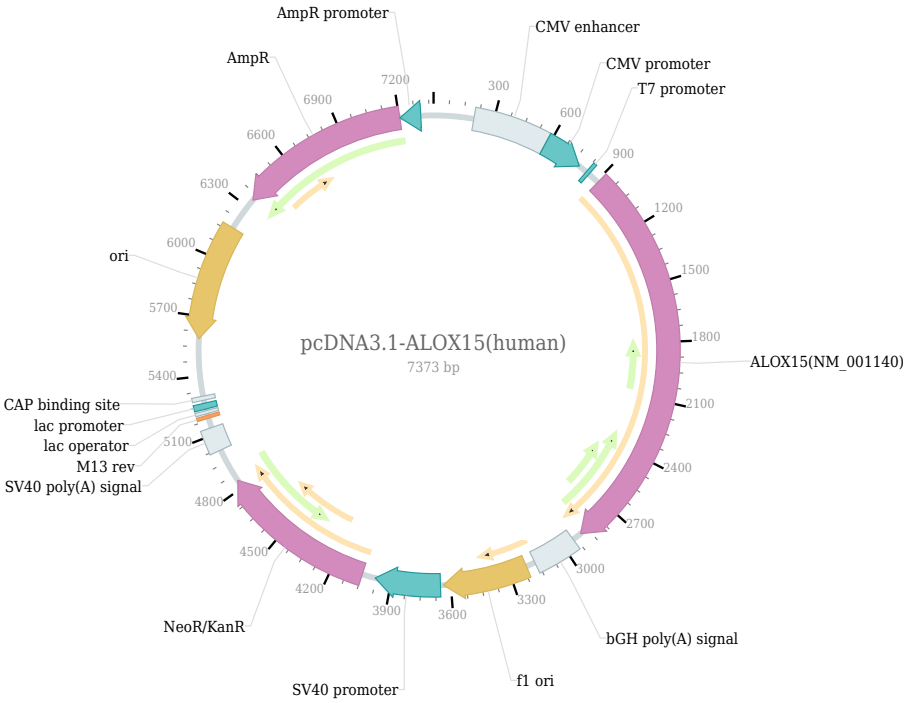
pcDNA3.1-ALOX15(human)

Vector ID	V044283
Accession ID	NM_001140.5
Antibiotic Resistance	Ampicillin
Length	7373 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)	DH5a
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-ALOX15(human) is a mammalian expression plasmid encoding full-length human ALOX15 (15-lipoxygenase-1) cDNA in pcDNA3.1. Used to study 15-LOX-1 in lipid peroxidation, inflammation, and tumor biology; overexpression increases tumorigenesis in prostate cancer models (Kelavkar et al. 2001).

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 ℃.