

Specifications:

Gene:	hAPOL1
Accession:	NP_003652.2
Insert size:	1210bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

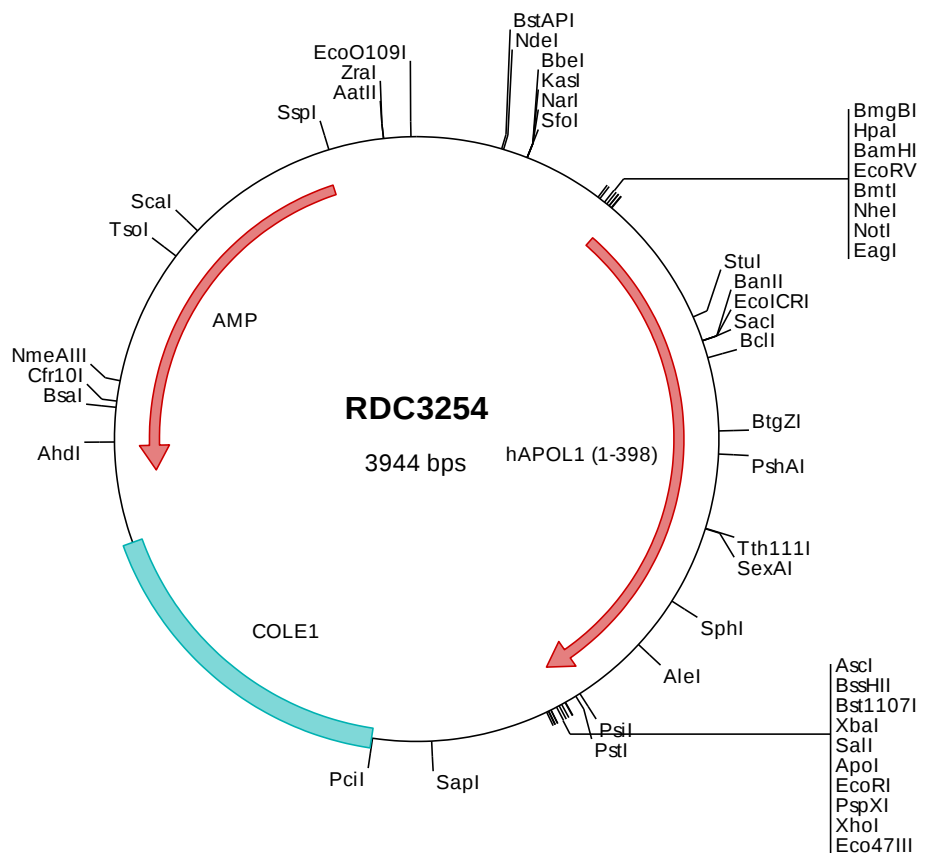
hApolipoprotein L1 cDNA Plasmid

APOL1 apolipoprotein L1 [*Homo sapiens* (human)]

Also known as: APOL; APO-L;
FSGS4; APOL-I

Summary:

APOL1 is a secreted high density lipoprotein which binds to apolipoprotein A-I. Apolipoprotein A-I is a relatively abundant plasma protein and is the major apoprotein of HDL. It is involved in the formation of most cholesteryl esters in plasma and also promotes efflux of cholesterol from cells. APOL1 may play a role in lipid exchange and transport throughout the body, as well as in reverse cholesterol transport from peripheral cells to the liver. Alternatively spliced transcripts encoding different proteins have been described.



> RDC3254 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcacc atggaggag ctgctttgt gagagtctct gtcctctgca tctggatgag
501  tgcacttttc cttggtgtgg gagtgagggc agaggaagct ggagcgagg tgcaacaaa cgttccaagt gggacagata ctggagatcc tcaagtaag
601  cccctcgggtg actgggctgc tggccaccatg gaccagaga gcagtatctt tattgaggat gccattaagt atttcaagga aaaagtgagc acacagaatc
701  tgtactcct gctgactgat aatgaggcct ggaacggatt cgtggctgct gctgaactgc ccagggaatga ggcagatgag ctccgtaaa ctctggacaa
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> RDC3254 Translated Insert Sequence

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201  eggslvllpe gmelgitaal tgitsstmdy gkkwwtgaqa hdlvikslk lkevreifge nsnflslag ntyqltrgig kdiralrrar anlqsvphas
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