

Product datasheet for **RG211114**

Apolipoprotein L 1 (APOL1) (NM_003661) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apolipoprotein L 1 (APOL1) (NM_003661) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Apolipoprotein L 1
Synonyms:	APO-L; APOL; APOL-I; FSGS4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211114 representing NM_003661 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGAGCTGCTTTGCTGAGAGTCTCTGTCCTCTGCATCTGGATGAGTGCACCTTTCTTGGTGTGG
GAGTGAGGGCAGAGGAAGCTGGAGCGAGGGTGCAACAAAACGTTCCAAGTGGGACAGATACTGGAGATCC
TCAAAGTAAGCCCTCGGTGACTGGGCTGCTGGCACCATGGACCCAGAGAGCAGTATCTTTATTGAGGAT
GCCATTAAGTATTTCAAGGAAAAAGTGAACACACAGAATCTGCTACTCCTGCTGACTGATAATGAGGCC
GGAACGGATTCGTGGCTGCTGCTGAAGTCCCGAGGAATGAGGCAGATGAGCTCCGTAAGCTCTGGACAA
CCTTGCAAGACAAATGATCATGAAAGACAAAACCTGGCAGATAAAGGCCAGCAGTACAGAACTGGTTT
CTGAAAGAGTTTCTCGTTGAAAAGTGAAGCTTGAAGGATAACATAAGAAGGCTCCGTGCCCTTGAGATG
GGTTTCAGAAGGTCCACAAGGCCACCACCATCGCCAATGTGGTGTCTGGCTCTCTCAGCATTTCTCTGG
CATCCTGACCCTCGTCGGCATGGGTCTGGCACCCTTCACAGAGGGAGGCAGCCTTGTACTCTTGGAACT
GGGATGGAGTTGGGAATCACAGCCGCTTTGACCGGATTACCAGCAGTACCATGGACTACGGAAAGAAGT
GGTGGACACAAGCCCAAGCCACGACCTGGTCAAAAAGCCTTGACAAATTGAAGGAGGTGAGGGAGTT
TTTGGGTGAGAACATATCCAACCTTCTTTCCTTAGCTGGCAATACTTACCAACTCACACGAGGCATTGGG
AAGGACATCCGTGCCCTCAGACGAGCCCAATCTTCAGTACCAGTACCGCATGCCTCAGCCTCAGCCTCAGC
CCCGGTCAGTACGCAATCTCAGCTGAAAGCGGTGAACAGGTGGAGAGGGTTAATGAACCCAGCATCCT
GGAAATGAGCAGAGGAGTCAAGCTCACGGATGTGGCCCTGTAAGCTTCTTTCTGTGCTGGATGTAGTC
TACCTCGTGTACGAATCAAAGCACTTACATGAGGGGGCAAAGTCAGAGACAGCTGAGGAGCTGAAGAAGG
TGGCTCAGGAGCTGGAGGAGAAGCTAACATTCTCAACAATAATTATAAGATTCTGCAGGCGGACCAAGA
ACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_003661.4](#)

RefSeq Size: 2856 bp

RefSeq ORF: 1197 bp

Locus ID: 8542

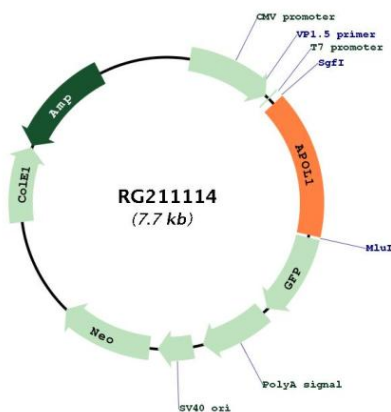
UniProt ID: [Q14791](#)

Cytogenetics: 22q12.3

Protein Families: Secreted Protein, Transmembrane

Gene Summary: This gene encodes 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. This apolipoprotein L family member 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. Several different transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]

Product images:



Circular map for RG211114