

Product datasheet for **SC325852**

Apolipoprotein L 1 (APOL1) (NM_001136541) Human Untagged Clone

Product data:

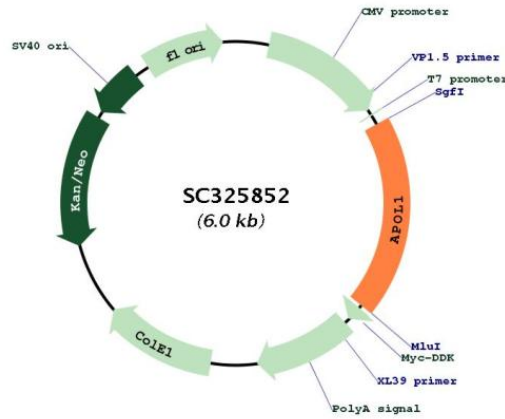
Product Type:	Expression Plasmids
Product Name:	Apolipoprotein L 1 (APOL1) (NM_001136541) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOL1
Synonyms:	APO-L; APOL; APOL-I; FSGS4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325852 representing NM_001136541. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGGAGCTGCTTTGCTGAGAGTCTCTGTCCTCTGCATCTGGGTGCAACAAAACGTTCCAAGTGGG
ACAGATACTGGAGATCCTCAAAGTAAGCCCTCGGTGACTGGGCTGCTGGCACCATGGACCCAGAGAGC
AGTATCTTTATTGAGGATGCCATTAAGTATTTCAAGGAAAAAGTGAGCACACAGAATCTGCTACTCCTG
CTGACTGATAATGAGGCCTGGAACGGATTCTGGGCTGCTGCTGAAGTCCAGGAATGAGGCAGATGAG
CTCCGTAAGCTCTGGACAACCTTGCAAGACAAATGATCATGAAAGACAAAACCTGGCAGATAAAGGC
CAGCAGTACAGAAACTGGTTTCTGAAAGAGTTTCTCGGTTGAAAAGTGAGCTTGAGGATAACATAAGA
AGGCTCCGTGCCCTTGACAGATGGGGTTCAGAAGTCCACAAAGGCACCACCATCGCCAATGTGGTGTCT
GGCTCTCTCAGCATTTCCTCTGGCATCCTGACCCTCGTCGGCATGGGTCTGGCACCCCTTCACAGAGGGA
GGCAGCCTTGTACTCTTGGAACTGGGATGGAGTTGGGAATCACAGCCGCTTTGACCGGGATTACCAGC
AGTACCATGGACTACGGAAAGAAGTGGTGGACACAAGCCCAAGCCACGACCTGGTATCAAAGCCCTT
GACAAATTGAAGGAGGTGAGGGAGTTTTGGGTGAGAATATCCAACCTTTCTTTCTTAGCTGGCAAT
ACTTACCAACTCACACGAGGCATTGGGAAGGACATCCGTGCCCTCAGACGAGCCAGAGCCAATCTCAG
TCAGTACCGCATGCCTCAGCCTCAGCCCCCGGGTCACTGAGCCAATCTCAGTCAAAGCGGTGAACAG
GTGGAGAGGGTTAATGAACCCAGCATCCTGAAATGAGCAGAGGAGTCAAGCTCAGGATGTGGCCCT
GTAAGCTTCTTTCTGTGCTGGATGTAGTCTACCTCGTGTACGAATCAAAGCACTTACATGAGGGGGCA
AAGTCAGAGACAGCTGAGGAGCTGAAGAAGGTGGCTCAGGAGCTGGAGGAGAAGCTAAACATTCTCAAC
AATAATTATAAGATTCTGCAGGCGGACCAAGAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001136541

Insert Size: 1143 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

RefSeq: [NM_001136541.1](#)

RefSeq Size: 2831 bp

RefSeq ORF: 1143 bp

Locus ID: 8542

UniProt ID: [O14791](#)

Cytogenetics:	22q12.3
Protein Families:	Secreted Protein, Transmembrane
MW:	42.2 kDa

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]

Transcript Variant: This variant (4) lacks an alternate in-frame 5' coding segment, compared to variant 1. The resulting protein (isoform c) has a shorter N-terminus when it is compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.