

Product datasheet for **SC321510**

Apolipoprotein L 2 (APOL2) (NM_030882) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apolipoprotein L 2 (APOL2) (NM_030882) Human Untagged Clone
Tag:	Tag Free
Symbol:	Apolipoprotein L 2
Synonyms:	APOL-II; APOL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_030882.2
 GCTGGACGTGGGATCCACACAGCTCAGAACAGTTGGATCTTGCTCAGTCTCTGTCAGAGG
 AAGATCCCTTGGACAAGAGGACCCTGCCTTGGTGTGAGAGTGAGGGTAGAGGAAGCTGGA
 ACGAGGGTTAAGGAAAACCTTCCAGTCTGGACAGTGACTGGAGAGCTCCAAGGAAAGCCC
 CTCGGTAACCCAGCCGCTGGCACCATGAACCCAGAGAGCAGTATCTTTATTGAGGATTAC
 CTTAAGTATTTCCAGGACCAAGTGAGCAGAGAGAATCTGCTACAACCTGCTGACTGATGAT
 GAAGCCTGGAATGGATTCTGGCTGCTGCTGAACTGCCAGGGATGAGGCAGATGAGCTC
 CGTAAAGCTCTGAACAAGCTTGCAAGTCACATGGTCATGAAGGACAAAAACGCCACGAT
 AAAGACCAGCAGCACAGGCAAGTGGTTTTTGAAGAGTTTCTCGTTGAAAAGGGAGCTT
 GAGGATCACATAAGGAAGCTCCGTGCCCTTGCAGAGGAGGTTGAGCAGGTCCACAGAGGC
 ACCACCATTGCCAATGTGGTGTCCAACCTCTGTTGGCACTACCTCTGGCATCCTGACCCTC
 CTCGGCCTGGGTCTGGCACCCCTTACAGAAGGAATCAGTTTTGTGCTCTTGGACTGTC
 ATGGGTCTGGGAGCAGCAGCTGCTGTGGCTGGGATTACCTGCAGTGTGGTAGAACTAGTA
 AACAAATTGCGGGCAGGACCCCAAGCCCAACTTGGACCAAAGCGGCACCAATGTAGCA
 AAGGTGATGAAGGAGTTTGTGGGTGGGAACACACCCAATGTTCTTACCTTAGTTGACAAT
 TGGTACCAAGTCACAAAGGGATTGGGAGGAACATCCGTGCCATCAGACGAGCCAGAGCC
 AACCTCAGTTAGGAGCGTATGCCCCACCCCGCATGTCATTGGGCGAATCTCAGCTGAA
 GGCGGTGAACAGGTTGAGAGGGTTGTTGAAGGCCCCGCCAGGCAATGAGCAGAGGAACC
 ATGATCGTGGGTGCAGCCACTGGAGGCATCTTGCTTCTGCTGGATGTGGTCAGCCTTGCA
 TATGAGTCAAAGCACTTGCTTGGGGGGCAAAGTCAGAGTCAGCTGAGGAGCTGAAGAAG
 CGGGCTCAGGAGCTGGAGGGGAAGCTCACTTTCTACCAAGATCCATGAGATGCTGCAG
 CCAGGCCAAGACCAATGACCCCAAGAGCAGTGCAGCCACCAGGGCAGAAAATGCCGGGCACA
 GGCCAGGACAAAATGCAGACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGATGGAGTCTCG
 TCTATCGCCAGGATGGAGTGCAGTGGCTCAATCTCGGCTCACTGCAAACTCCGCCTCCC
 GGGTTCACACCATTCTCCGGCCTCAGTCTCCCGAGTAGCTGGGACTACAGGCACCTGCCA
 CCACGCCCGGCTAATTTTTTTGTATTTTCACTGGAGACGGGGTTTCACTGTGTTAGCCAC
 GATGGTCTCCATCTCCTGACCTCGTGATCTGCCACCTCGGCCTCCCAAAGTGCTGGGAT
 TACAGGCGTGAGCCACCGCCTGGCCAAAATGCAGACATTTTATTAGGGGGATAAGGAG
 GGCAAGGTAAGCTTATGGAAGTGAAGTGTAGTACTTTGGCATTGTGTAGCTGAGCAC
 AGCAAGGGAGGGTTAATGCAGATGGCAAGTGCACCAAGGAGAAGGCAGGAACACTGGAG
 CCTGCAATAAGGGAGGAGAGAGGACTGGAGAGTGTGGGAATGGGAAGAAGTAGTTTACT
 TTGGACTAAAGAAATATATTGGGCGAAGAATAGAGGGGGAGCTTGCAGGAACCAGCAATGA
 GAAGGCCAGGAAAAGAAAGAGCTGAAAATGGAGAAAACCAGAGTTAGAAGTGTGGATAC
 AGGAGAAGAAACAGCAGCTCCACTACCGACCCCCCCCCAGGTTTGTGCTTCCAAAGAA
 TAAAGTCTTCCCTGGTGAATAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_030882

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_030882.2](#), [NP_112092.1](#)

RefSeq Size: 2545 bp

RefSeq ORF: 1014 bp

Locus ID: 23780

UniProt ID: [Q9BQE5](#)

Cytogenetics: 22q12.3

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene is a member of the apolipoprotein L gene family. The encoded protein is found in the cytoplasm, where it may affect the movement of lipids or allow the binding of lipids to organelles. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (alpha) is the predominant transcript. Variant alpha and variant beta encode the same protein.