

Product datasheet for **SC320945**

APOL3 (NM_014349) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOL3 (NM_014349) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOL3
Synonyms:	apoL-III; APOLIII; CG12_1; CG121
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_014349.2
 AGGTGGGATCCACACAGCTCAGAACAGCTGGATCTTGCTCACACTCTTTCAAGAGAAGCT
 TCCTTGGGTAAAGAAAAAACGAACCCCTCCAGTCAGGTCAGTGACTGGAGAGCTCCAA
 GGAAAGTCTCTCAGTGACCTGGCTGCTGGCACCATGGACTCAGAAAAGAAACGCTTTACT
 GAAGAGGCCACCAAACTTCCGGGAGAGAGTCAGCCCAGTGCATCTGCAAACTCTGCTG
 ACTAACAAATGAAGCCTGGAAGAGATTCGTGACTGCGGCTGAATTGCCAGGGATGAGGCA
 GATGCTCTACGAAGCTCTGAAGAAGCTTAGAACATATGCAGCTATTGAGGACGAATAT
 GTGCAGCAGAAAATGAGCAGTTTAGGGAATGGTTTTGAAAGAGTTCCCAAGTCAAG
 AGGAAGATCCAGGAGTCCATAGAAAAGTTCGTGCCCTTGCAAAATGGTATTGAAGAGGTC
 CACAGAGGCTGCACCATCTCAATGTGGTGTCCAGCTCCACTGGCGCTGCCTCTGGCATC
 ATGTCCCTTGGTCTTGTGTTTGGCACCATTTACAGCAGGGACGAGTCTGGCCCTTACT
 GCAGCTGGGGTAGGGCTGGGAGCAGCGTCTGCTGTGACTGGGATCACCACCAGCATCGT
 GAGCACTATACACATCATCAGCAGAAGCTGAAGCCAGCAGGCTGACTGCAACCAGCATT
 GACCGATTGAAGTATTTAAGGAAGTTATGCGTGACATCACCCCACTTACTTTCCCTT
 CTTAATAATTATTACGAAGCCACACAAACCATTGGGAGTAAATCCGTGCCATCAGGCAA
 GCCAGAGCCAGGGCCCGACTCCCTGTGACCACCTGGCGAATCTCAGCTGGAAGTGGAGGT
 CAAGCAGAGAGAACGATTGCAGGCACCACCCGGGCAAGTGAAGCAGAGGAGCCCGGATCCTG
 AGTGCACCATTTCAGGCATCTTCTTGCAGTGGATGTGGTCAACCTTGTATACGAGTCA
 AAGCACTTGATGAGGGGGCAAAGTCTGCATCTGCTGAGGAGCTGAGGCGGACAGGCTCAG
 GAGCTGGAGGAGAATCTAATGGAGCTCACTCAGATCTATCAGCGTCTGAATCCATGCCAT
 ACCCACTGACCCAGACCAGTGCAGCCAGCAGGGGAGGTGAGCCATACACAGGCCACGAC
 AAAATGCAGGCCATTTTATTAGGGGGATAAAGAGGGCAAGGTAAGTTTATGGAGCTGAGT
 GTTAGTGACTTTGGCATTCTGTAGCTGAGCACAGCAGGGGAGGGTTAATGCAGATGGC
 AAGTGACCAAGGAGAAGGCAGGAATGCTGGAGCCTGGAATAAGGGAGGAGAGGGGACTG
 GAGAGTGTGGGAATAGGAAGAAGAAATTTCTTTAGACTAACGAATATATTGGGGGAG
 GAATAGAGGGGAGGTGTGCAGGAACCAGCAATGAGAAGGCCAGGAAAAGAAAGAGCTGAA
 AATGCAGAAAGCCGAAGAGTTAGAACTTTTGGATACAGCAGAAGAAACAGCGGCTCCACT
 ACCGACCTGCCCCGGTTCGATGTCCTTCCAAGAATGAAGCTTTCCCTGGTGATGGTCC
 CCTGCCCTGTCTTCCAGCATCCACTCTGTCTTGTCTCTGGAAGTGTATCTCAGTCAG
 CCAGTGGCTTCTTGATGATGGCGGTGGAGGTGGTGGTTGAGTGTGATGGATCCCCTTTA
 GGTTATTTAGGGGTATATGTCCTGCTTGAACCCTGAAGGCCAGGTAATGAGCCATGGC
 CATTGTCCCCAGCTGAGGACCAGGTGTCTCTAAAACCCAAACATCCTGGAGAGTATGCG
 AGAACCTACCAAGAAAAACAGTCTCATTACTCATATACAGCAGGCAAAGACAGAAAAAT
 TAACTGAAAAGCAGTTTAGAGACTGGGGGAGGCCGGATCTCTAGAGCCATCCTGTGAGT
 GCCCTGTGTGTAAGTCTAATAAACTCACCTACTACCAAAAAAAAAAAAAAAAAAAAAA
 AAAAAA

Restriction Sites: Please inquire

ACCN: NM_014349

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_014349.2](#), [NP_055164.1](#)

RefSeq Size: 2444 bp

RefSeq ORF: 996 bp

Locus ID: 80833

UniProt ID: [O95236](#)

Cytogenetics: 22q12.3

Gene Summary: This gene is a member of the apolipoprotein L gene family, and it is present in a cluster with other family members on chromosome 22. The encoded protein is found in the cytoplasm, where it may affect the movement of lipids, including cholesterol, and/or allow the binding of lipids to organelles. In addition, expression of this gene is up-regulated by tumor necrosis factor-alpha in endothelial cells lining the normal and atherosclerotic iliac artery and aorta. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]
Transcript Variant: This variant (alpha/a) differs in the coding region but maintains the reading frame compared to variant alpha/d. This variant encodes isoform 2, which is shorter and which contains a unique N-terminus compared to isoform 1.