

Product datasheet for **SC124393**

APOL3 (NM_145639) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOL3 (NM_145639) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOL3
Synonyms:	apoL-III; APOLIII; CG12_1; CG121
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145639, the custom clone sequence may differ by one or more nucleotides

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ATGGACTCAGAAAAGAAACGCTTTACTGAAGAGGCCACCAATACTTCCGGGAGAGAGTCAGCCCAGTGC
ATCTGCAAATCCTGCTGACTAACAATGAAGCCTGGAAGAGATTCGTGACTGCGGCTGAATTGCCAGGGA
TGAGGCAGATGCTCTCTACGAAGCTCTGAAGAAGCTTAGAACATATGCAGCTATTGAGGACGAATATGTG
CAGCAGAAAGATGAGCAGTTTAGGGAATGGTTTTTAAAGAGTTTCCCAAGTCAAGAGGAAGATCCAGG
AGTCCATAGAAAAGCTTCGTGCCCTTGCAAATGGTATTGAAGAGGTCCACAGAGGCTGCACCATCTCAA
TGTGGTGTCCAGCTCCACTGGCGCTGCCTCTGGCATCATGTCCCTTGCTGGTCTTGTGGTGGCACCATT
ACAGCAGGACGAGTCTGGCCCTTACTGCAGCTGGGGTAGGGCTGGGAGCAGCGTCTGCTGTGACTGGGA
TCACCACCAGCATCGTGGAGCACTCATACACATCATCAGCAGAAGCTGAAGCCAGCAGGCTGACTGCAAC
CAGCATTGACCGATTGAAGGTATTTAAGGAAGTTATGCGTGACATCACACCCAACCTACTTTCCCTTCTT
AATAATTATTACGAAGCCACACAAACCATTGGGAGTGAATCCGTGCCATCAGGCAAGCCAGAGCCAGGG
CCCAGCTCCCTGTGACCACCTGGCGAATCTCAGCTGGAAGTGGTGGTCAAGCAGAGAGAACGATTGCAGG
CACCACCCGGGCAGTGAGCAGAGGAGCCCGGATCCTGAGTGCACCACTTCAGGCATCTTCTTGCAGTG
GATGTGGTCAACCTTGTATACGAGTCAAAGCACTTGATGAGGGGGCAAAGTCTGCATCTGCTGAGGAGC
TGAGGCGGCAGGCTCAGGAGCTGGAGGAGAATCTAATGGAGCTCACTCAGATCTATCAGCGTCTGAATCC
ATGCCATACCCACTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145639 unedited
 AGGGTTCACTATAGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGGATCCA
 CACAGCTCAGAACAGCTGGATCTTGCTCACACTCTTCAAGAGAAGCTTCCTTGGGTTAA
 GAAAAAAAAACGAACCTTCCAGTCAGGTCAGTACTGGAGAGCTCCAAGGAAAGTCTCTC
 AGTGACCTGGCTGCTGGCACCATGGACTCAGAAAAGAAACGCTTACTGAAGAGGCCACC
 AAATACTTCCGGGAGAGAGTCAGCCCAGTGCATCTGCAAACTCTGCTGACTAACAAATGAA
 GCCTGGAAGAGATTCTGACTGCGGCTGAATTGCCAGGGATGAGGCAGATGCTCTCTAC
 GAAGCTCTGAAGAAGCTTAGAACATATGCAGCTATTGAGGACGAATATGTGCAGCAGAAA
 GATGAGCAGTTTGGGAATGGTTTTTGAAGAGTTTTCCCAAGTCAAGAGGAAGATCCAG
 GAGTCCATAGAAAAGCTTCGTGCCCTTGCAAAATGGTATTGAAGAGGTCCACAGAGGCTGC
 ACCATCTCCAATGTGGTGTCCAGCTCCACTGGCGCTGCCTCTGGCATCATGTCCCTTGCT
 GGTCTTGTGTTGGCACCATTTACAGCAGGGACGAGTCTGGCCCTTACTGCAGCTGGGGTA
 GGGCTGGGAGCAGCGTCTGCTGTGACTGGGATCACCACCAGCATCGTGGAGCACTCATA
 ACATCATCAGCAGAAGCTGAAGCCAGCAGGCTGACTGCAACCAGCATTGACCGATTGAAG
 GTATTTAAGAAGTTATGCGTGACATCACACCAACTTACTTTCCCTTCTAATATTATT
 ACGAAGCCACACAAACCATTGNGAGTGAATCCGTGCCATCAGGCAAGCCAGAGCCAGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_145639 unedited
 NGGGTCCGACTATGNACCCGCGGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTT
 GTGAGTAGGTGAGTTTATTAGGACTTACACACAGGGCACTCAGCAGGATGGCTCTAGAGA
 TCCGGCTCCCCAGTCTCTAACTGCTTTTCAGTTAATTTTCTGTCTTTGCCTGCTG
 TATATGAGTAATGAGACTGTTTTCTTGGTAGGTTCTCGCATACTCTCCAGGATGTTTGG
 GTTTTTAGAGACCTGGTCTCAGCTGGGACAATGGCCATGGCTCATTACCTGGCCTT
 CAGGGTTCAAGCAGGGGACATATACCCCTAAATAACCTAAAGGGGATCCATCACACTACA
 ACCACCACCTCCACCCCATCATCAAGAAGCCACTGGCTGACTGAGATACTTCCAGGA
 GGACAAGACAGAGTGGATGCTGGAAGACAGGGCAGGGGACCATCACCAGGGAAAGACTT
 CATTCTTGAAGGACATCGAACCCGGGGCAGGTCGGTAGTGGAGCCGCTGTTTCTTCTGC
 TGTATCCAAAAGTTCTAACTCTTCGGCTTTCTGCATTTTCAGCTCTTCTTTTCTGGCC
 TTCTCATTGCTGGTTCCTGCACACCTCCCCTCTATTCTCCCCCAATATATTGTTAGT
 CTAAGGAAATTTCTTCTTCTATTCCCCACACTCTCCAGTCCCCTCTCCTCCCTTATTC
 CAGGCTCCAGCATTCTGCCTTCTCCTTGGTGCCTTGGCATTGCAATTAACCCCTCCC
 TGCTGTGCTCAGCTACAGAAATGCCAAAGTCACTAACACTCAGCTCCATAAACTTTACCT
 TGCCCTCTTATCCCCCTCATAAATGCCTGCATTTTTGTCTGGCCCGTGTATGGCTCANC
 TTCCTGCTGGCTGC

Restriction Sites:

NotI-NotI

ACCN:

NM_145639

Insert Size:

2000 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).

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_145639.1](#), [NP_663614.1](#)

RefSeq Size: 2215 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/c) 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.