

Product datasheet for **SC122603**

Apolipoprotein CIV (APOC4) (NM_001646) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apolipoprotein CIV (APOC4) (NM_001646) Human Untagged Clone
Tag:	Tag Free
Symbol:	Apolipoprotein CIV
Synonyms:	APO-CIV; APOC-IV
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001646 edited
AGAAATGTCCTCCTCAGAAACAGGCTCCAGGCCCTGCCTGTCCTGTGCGTGCT
GGTCCTGGCCTGCATTGGGGCATGCCAGCCAGAGGCCAGGAAGGAACCCTGAGCCCCC
ACCAAAGCTAAAGATGAGTCGCTGGAGCCTGGTGAGGGCAGGATGAAGGAGCTGCTGGA
GACAGTGGTGAACAGGACCAGAGACGGGTGCAATGGTTCTGGAGCCCGAGCACCTCCG
GGGCTTCATGCAGACCTACTATGACGACCACCTGAGGGACCTGGGTCCGCTACCAAGGC
CTGGTTCCTCGAATCCAAGACAGCCTCTTGAAGAAGACCCACAGCCTGTGCCCCAGGCT
TGTCTGTGGGACAAGGACCAGGGTAAAATGTTCAAAAAGCCAGGTGTGGTTGTGGCG
GGTGCCTGTAGTCCCAGCTACTCAGGAGGCTGAGGTAGGATGATGGCTTGAGCCCAGGAG
TTCGAGACCAGCCTGGGCAACACAGCGAGATCTCTTGGGGTAAAACAAAAAGAAAAAA
AAAGTTCATACTTCTCAATAAATAAAGTCTCACCTGGGAAAAAAAAAAAAAAAAAAAA
AAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001646 unedited GNNCGGCCGCGNAATTCGGCCATTACGGCCGGGAGAAATGTCCCTCCTCAGAAACAGGC TCCAGGCCCTGCCTGCCCTGTGCCTCTGCGTGTGGTCTGGCCTGCATTGGGGCATGCC AGCCAGAGGCCAGGAAGGAACCCTGAGCCCCACCAAAGCTAAAGATGAGTCGCTGGA GCCTGGTGAGGGGAGGATGAAGGAGCTGCTGGAGACAGTGGTGAACAGGACCAGAGACG GGTGGCAATGGTTCTGGAGCCCAGCACCTTCCGGGGCTTCATGCAGACCTACTATGACG ACCACCTGAGGGACCTGGTCCGCTCACCAAGGCTGGTTCCTCGAATCCAAAGACAGCC TCTTGAAGAAGACCCACAGCCTGTGCCAGGCTTGTCTGTGGGACAAGGACCAGGGTT AAAATGTTCATAAAAGCCAGGTGTGGTTGTGGCGGTGCCTGTAGTCCCAGCTACTCAGG AGGCTGAGGTAGGATGATGGCTTGGCCAGGAGTTCGAGACCAGCCTGGGCAACACAGC GAGATCTCTTGGGGTAAAAAAGAAAAAAGTTTACTACTTCTCAATAAATAA AGTCTCACCTGGGAAAAAANNNNNNNNNNNNNNNNNNNNNACATGTCGGCCGCCTCGGC CCTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCCCTGACAGATCCCGGTGGCAT CCCTGTGACCCCTCCCCATGCCCTCCTGGCCCTGGAAGTTGCCACTCCGGTCCCCACAG CCTTGTCTAATAAAAATAAGTTGCATCATTTTGTCTGACTAAGTGTCTTATATATATG GGGA
Restriction Sites:	Please inquire
ACCN:	NM_001646
Insert Size:	609 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:	<ol style="list-style-type: none"> 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_001646.1 , NP_001637.1
RefSeq Size:	613 bp
RefSeq ORF:	384 bp
Locus ID:	346
UniProt ID:	P55056
Cytogenetics:	19q13.32
Protein Families:	Secreted Protein

Gene Summary:

This gene encodes a lipid-binding protein belonging to the apolipoprotein gene family. The protein is thought to play a role in lipid metabolism. Polymorphisms in this gene may influence circulating lipid levels and may be associated with coronary artery disease risk. This gene is present in a cluster with other related apolipoprotein genes on chromosome 19. Naturally occurring read-through transcription exists between this gene and the neighboring downstream apolipoprotein C-II (APOC2) gene. [provided by RefSeq, Mar 2011]