

## Product datasheet for **SC300077**

### **APOA4 (NM\_000482) Human Untagged Clone**

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | APOA4 (NM_000482) Human Untagged Clone   |
| Tag:                      | Tag Free   |
| Symbol:                   | APOA4  |
| Mammalian Cell Selection: | None   |
| Vector:                   | <u>pCMV6-XL5</u>   |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| Fully Sequenced ORF:      | >OriGene sequence for NM_000482 edited<br>AACTCCTCCAGCCAGCAAGCAGCTCAGGATGTTCTGAAGGCCGTGGTCTGACCCTGG<br>CCCTGGTGGCTGTCGCCGAGCCAGGGCTGAGGTGAGTGTGACCAGGTGCCACAGTGA<br>TGTGGGACTACTTCAGCCAGCTGAGCAACAATGCCAAGGAGGCCGTGGAACATCTCCAGA<br>AATCTGAACTCACCCAGCAACTCAATGCCCTCTTCCAGGACAACTTGGAGAAGTGAACA<br>CTTACGCAGGTGACCTGCAGAAGAAGCTGGTGCCTTTGCCACCGAGCTGCATGAACGCC<br>TGGCCAAGGACTCGGAGAACTGAAGGAGGAGATTGGGAAGGAGCTGGAGGAGCTGAGGG<br>CCCGGCTGCTGCCCATGCCAATGAGGTGAGCCAGAAGATCGGGGACAACCTGCGAGAGC<br>TTCAGCAGCGCTGGAGCCCTACGCGGACCAGCTGCGCACCCAGGTCAACACGCAGGCCG<br>AGCAGCTGCGGCGCCAGCTGACCCCTACGCACAGCGCATGGAGAGAGTGTGCGGGAGA<br>ACGCCGACAGCCTGCAGGCCTCGTGAGGCCCCACGCCGACGAGCTCAAGGCCAAGATCG<br>ACCAGAACGTGGAGGAGCTCAAGGGACGCCTTACGCCCTACGCTGACGAATTCAAAGTCA<br>AGATTGACCAGACCGTGGAGGAGCTGCGCCGACGCTGGCTCCCTATGCTCAGGACACGC<br>AGGAGAAGCTCAACCACCAGCTTGAAGGCTGACCTTCCAGATGAAGAAGAACGCCGAGG<br>AGCTCAAGGCCAGGATCTCGCCAGTGCAGGAGCTGCGGCAGAGGCTGGCGCCCTTGG<br>CCGAGGACGTGCGTGGCAACCTGAGGGGCAACACCGAGGGGCTGCAGAAGTCACTGGCAG<br>AGCTGGGTGGGCACCTGGACCAGCAGGTGGAGGAGTCCGACGCCGGGTGGAGCCCTACG<br>GGGAAAATTTCAACAAAGCCCTGGTGCAGCAGATGGAACAGCTCAGGCAGAACTGGGCC<br>CCCATGCGGGGGACGTGGAAGGCCACTTGAGCTTCTGGAGAAGGACCTGAGGGACAAGG<br>TCAACTCCTTCTCAGCACCTTCAAGGAGAAAGAGAGCCAGGACAAGACTCTCTCCCTCC<br>CTGAGCTGGAGCAACAGCAGGAACAGCAGCAGGAGCAGCAGCAGGAGCAGGTGCAGATGC<br>TGGCCCTTTGGAGAGCTGAGCTGCCCTGGTGCAGTGGCCCCACCTCGTGGACACCTG<br>CCCTGCCCTGCCACCTGTCTGTCTGTCCCAAAGAAGTTCTGGTATGAACTTGAGGACACA<br>TGTCCAGTGGGAGGTGAGACCA |
| Restriction Sites:        | Please inquire   |
| ACCN:                     | NM_000482  |



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|                               |   |
|-------------------------------|---|
| <b>Insert Size:</b>           | 1300 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | The ORF of this clone has been fully sequenced and found to contain one SNP when compared with NM_000482.3.   |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>     |
| <b>RefSeq:</b>                | <u><a href="#">NM_000482.3</a></u> , <u><a href="#">NP_000473.2</a></u>   |
| <b>RefSeq Size:</b>           | 1460 bp   |
| <b>RefSeq ORF:</b>            | 1191 bp   |
| <b>Locus ID:</b>              | 337   |
| <b>UniProt ID:</b>            | <u><a href="#">P06727</a></u>   |
| <b>Cytogenetics:</b>          | 11q23.3   |
| <b>Protein Families:</b>      | Secreted Protein  |
| <b>Gene Summary:</b>          | Apolipoprotein (apo) A-IV gene contains 3 exons separated by two introns. A sequence polymorphism has been identified in the 3'UTR of the third exon. The primary translation product is a 396-residue preprotein which after proteolytic processing is secreted its primary site of synthesis, the intestine, in association with chylomicron particles. Although its precise function is not known, apo A-IV is a potent activator of lecithin-cholesterol acyltransferase in vitro. [provided by RefSeq, Jul 2008] |