

## Native Human APOC3

**Cat. No.** APOC3-27333TH    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Full length native Apolipoprotein CIII purified from human plasma, VLDL.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Apolipoprotein C-III is a very low density lipoprotein (VLDL) protein. APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to delay catabolism of triglyceride-rich particles. The APOA1, APOC3 and APOA4 genes are closely linked in both rat and human genomes. The A-I and A-IV genes are transcribed from the same strand, while the A-1 and C-III genes are convergently transcribed. An increase in ap <sup>o</sup> C-III levels induces the development of hypertriglyceridemia. |
| <b>Form</b>             | Lyophilised: Reconstitute with 59.9ul distilled water.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage buffer</b>   | Preservative: None<br>Constituents: 10mM Ammonium bicarbonate, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Full Length</b>      | Full L.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### GENE INFORMATION

|                  |                                             |
|------------------|---------------------------------------------|
| <b>Gene Name</b> | APOC3 apolipoprotein C-III [ Homo sapiens ] |
|------------------|---------------------------------------------|

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | <a href="#">APOC3</a>                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>            | APOC3; apolipoprotein C-III;                                                                                                                                                                                                                                                                                                      |
| <b>Gene ID</b>             | <a href="#">345</a>                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>         | <a href="#">NM_000040</a>                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>      | <a href="#">NP_000031</a>                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>                 | <a href="#">107720</a>                                                                                                                                                                                                                                                                                                            |
| <b>Uniprot ID</b>          | <a href="#">P02656</a>                                                                                                                                                                                                                                                                                                            |
| <b>Chromosome Location</b> | 11q23-qter                                                                                                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | Chylomicron-mediated lipid transport, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; |
| <b>Function</b>            | cholesterol binding; enzyme regulator activity; high-density lipoprotein particle receptor binding; lipase inhibitor activity; phospholipid binding;                                                                                                                                                                              |

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