

## Native Human Plasma APOB

**Cat. No.** APOB-8037H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human Plasma APOB was purified from Human Plasma.                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Human Plasma                                                                                                                                                                                                                                                |
| <b>Description</b>      | Apo-AI comprises ~70% of the protein moiety in HDL. It is a single polypeptide chain consisting of 245 amino acids with glutamic acid as the C-terminal residue and aspartic acid as the N-terminal residue. The molecular mass is reported to be 28.3 kDa. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | >98%                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | -20 °C                                                                                                                                                                                                                                                      |
| <b>Concentration</b>    | Typically 1.0 mg/mL                                                                                                                                                                                                                                         |

### GENE INFORMATION

|                        |                                                                  |
|------------------------|------------------------------------------------------------------|
| <b>Gene Name</b>       | APOB apolipoprotein B (including Ag(x) antigen) [ Homo sapiens ] |
| <b>Official Symbol</b> | APOB                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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| <b>Synonyms</b>            | APOB; apolipoprotein B (including Ag(x) antigen); apolipoprotein B-100; apoB-48; apoB-100; apo B-100; mutant Apo B 100; apolipoprotein B48; FLDB; LDLCQ4;                                                                                                                                                                                                                                                                          |
| <b>Gene ID</b>             | <a href="#">338</a>                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | <a href="#">NM_000384</a>                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | <a href="#">NP_000375</a>                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | <a href="#">P04114</a>                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 2p24-p23                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Pathway</b>             | Cell surface interactions at the vascular wall, organism-specific biosystem; Chylomicron-mediated lipid transport, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Hemostasis, organism-specific biosystem; LDL-mediated lipid transport, organism-specific biosystem; |
| <b>Function</b>            | cholesterol transporter activity; enzyme binding; heparin binding; lipid transporter activity; low-density lipoprotein particle receptor binding; phospholipid binding; protein heterodimerization activity;                                                                                                                                                                                                                       |