### Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Native Human Apolipoprotein B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein length</td>
<td>Full length protein</td>
</tr>
</tbody>
</table>

### Description

<table>
<thead>
<tr>
<th>Nature</th>
<th>Native</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Native</td>
</tr>
<tr>
<td>Amino Acid Sequence</td>
<td>Human</td>
</tr>
</tbody>
</table>

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab91112** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications**

| SDS-PAGE |

**Purity**

| > 95% SDS-PAGE. |

**Form**

| Lyophilised |

**Additional notes**

Prepared from fresh, non-frozen plasma shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

### Preparation and Storage

**Stability and Storage**

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 10.00

Constituents: 0.53% Sodium carbonate, 0.415% Sodium deoxycholate, 0.29% Sodium chloride

### General Info

**Function**

Apolipoprotein B is a major protein constituent of chylomicrons (apo B-48), LDL (apo B-100) and
VLDL (apo B-100). Apo B-100 functions as a recognition signal for the cellular binding and internalization of LDL particles by the apoB/E receptor.

**Involvement in disease**
- Hypobetalipoproteinemia, familial, 1
- Familial ligand-defective apolipoprotein B-100
- Defects in APOB associated with defects in other genes (polygenic) can contribute to hypocholesterolemia.

**Sequence similarities**
- Contains 1 vitellogenin domain.

**Post-translational modifications**
- Palmitoylated; structural requirement for proper assembly of the hydrophobic core of the lipoprotein particle.

**Cellular localization**
- Cytoplasm. Secreted.

**Images**
- SDS-PAGE: 4-12% Bis-Tris-HCl NuPAGE gel
  - Lane 1. 5 μg Apolipoprotein (reduced/ heated)
  - Lane 2. 10 μg Apolipoprotein (reduced/ heated)
  - Lane 3. 20 μg Apolipoprotein (reduced/ heated)
  - Lane 4. Molecular weight markers
  - Lane 5. 5 μg Apolipoprotein (non-reduced/no heat)
  - Lane 6. 10 μg Apolipoprotein (non-reduced/no heat)
  - Lane 7. 20 μg Apolipoprotein (non-reduced/no heat)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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