**Product datasheet**

**Recombinant Human Apolipoprotein L1/APOL1 ab152886**

1 Image

### Description

<table>
<thead>
<tr>
<th>Product name</th>
<th>Recombinant Human Apolipoprotein L1/APOL1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purity</td>
<td>&gt; 80 % Affinity purified. Glutathione Sepharose 4 Fast Flow</td>
</tr>
<tr>
<td>Expression system</td>
<td>Wheat germ</td>
</tr>
<tr>
<td>Accession</td>
<td>O14791</td>
</tr>
<tr>
<td>Protein length</td>
<td>Protein fragment</td>
</tr>
<tr>
<td>Animal free</td>
<td>No</td>
</tr>
<tr>
<td>Nature</td>
<td>Recombinant</td>
</tr>
<tr>
<td>Species</td>
<td>Human</td>
</tr>
<tr>
<td>Sequence</td>
<td>MEGAALLRVSVLCLWMSALFLGVGVEEAGARVQQNVP SGTDTGDPSK PLGDIWAGTMDPESFIDAKYFKEKVSTQNLTTDN EAWNGFVAA AELPRNEADELRKALDNLARQMIMKDNWHDKQQYRN WFLKEFPRKLSE LEDNIRRLRALADGVQKVHKGTTIANVVSGLSLSSGLTLV GMGLAPFT EGGSLVLLEPGMELGITAALTGTSSSTMDYGKKWWTQA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Predicted molecular weight</th>
<th>52 kDa including tags</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amino acids</td>
<td>1 to 238</td>
</tr>
</tbody>
</table>

### Specifications

Our **Abpromise guarantee** covers the use of **ab152886** in the following tested applications.

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

**Applications**

- ELISA
- SDS-PAGE
- Western blot

**Form**

Liquid

**Additional notes**

Protein concentration is above or equal to 0.05 µg/µl
This product was previously labelled as Apolipoprotein L1.

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze/thaw cycles.

pH: 8.00
Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function
May play a role in lipid exchange and transport throughout the body. May participate in reverse cholesterol transport from peripheral cells to the liver.

Tissue specificity
Plasma. Found on APOA-I-containing high density lipoprotein (HDL3). Expressed in pancreas, lung, prostate, liver, placenta and spleen.

Involvement in disease
Defects in APOL1 are the cause of focal segmental glomerulosclerosis type 4 (FSGS4) [MIM:612551]. It is a renal pathology defined by the presence of segmental sclerosis in glomeruli and resulting in proteinuria, reduced glomerular filtration rate and edema. Renal insufficiency often progresses to end-stage renal disease, a highly morbid state requiring either dialysis therapy or kidney transplantation.

Sequence similarities
Belongs to the apolipoprotein L family.

Post-translational modifications
Phosphorylation sites are present in the extracellular medium.

Cellular localization
Secreted.

Images

12.5% SDS-PAGE analysis of ab152886 stained with Coomassie Blue

SDS-PAGE - Recombinant Human Apolipoprotein L1/APOL1 (ab152886)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors