

## Product datasheet

# Native Human Apotransferrin protein ab91100

1 Image

### Description

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<b>Product name</b>	Native Human Apotransferrin protein
<b>Purity</b>	> 95 % SDS-PAGE. Iron Content: <30 µg per gram. Purified to have less than 0.01% iron and an iron-binding capacity of 1.25 ug/mg. Sterile filtered using 0.2 micron filter.
<b>Expression system</b>	Native
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Native
<b>Species</b>	Human

### Specifications

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Our **Abpromise guarantee** covers the use of **ab91100** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	Endotoxin Level: <0.1 Eu per mg by LAL testing. Prepared from 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

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C. pH: 7.40 Constituent: 0.164% Sodium phosphate
<b>Reconstitution</b>	Dissolves in water at 10 mg per ml.

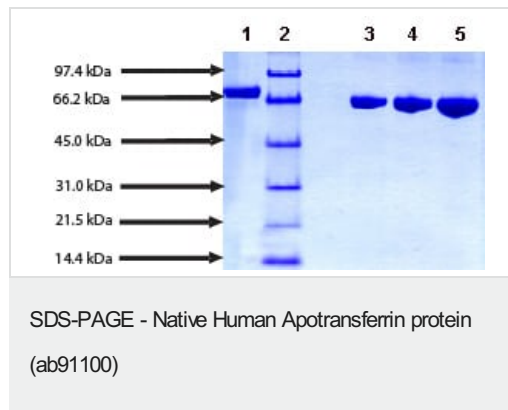
### General Info

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<b>Function</b>	Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also
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	have a further role in stimulating cell proliferation.
<b>Tissue specificity</b>	Expressed by the liver and secreted in plasma.
<b>Involvement in disease</b>	Defects in TF are the cause of atransferrinemia (ATRAF) [MIM:209300]. Atransferrinemia is rare autosomal recessive disorder characterized by iron overload and hypochromic anemia.
<b>Sequence similarities</b>	Belongs to the transferrin family. Contains 2 transferrin-like domains.
<b>Cellular localization</b>	Secreted.

## Images



SDS-PAGE: 4-12% Bis-Tris NuPAGE gel

Lane 1: 5 µg Apotransferrin (reduced/heated)

Lane 2: Molecular weight markers

Lane 3: 5 µg Apotransferrin (non-reduced/no heat)

Lane 4: 10 µg Apotransferrin (non-reduced/no heat)

Lane 5: 20 µg Apotransferrin (non-reduced/no heat)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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