

Product datasheet

Natural Human Apotransferrin protein ab91100

1 Image

Overview

Product name Natural Human Apotransferrin protein
Protein length Full length protein

Description

Nature Native
Source Native
Amino Acid Sequence
Species Human

Specifications

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.

Applications SDS-PAGE
Purity > 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.
Form Lyophilised
Additional notes 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.

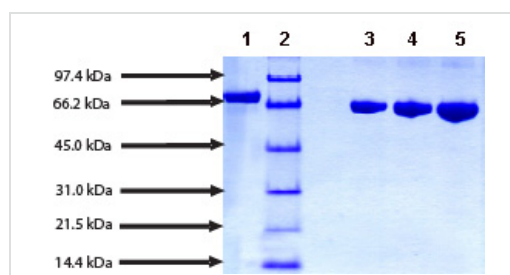
Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C.
 Preservative: None
 Constituents: 10mM Sodium phosphate, pH 7.4
Reconstitution Dissolves in water at 10 mg per ml.

General Info

Function	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 have a further role in stimulating cell proliferation.
Tissue specificity	Expressed by the liver and secreted in plasma.
Involvement in disease	Defects in TF are the cause of atransferrinemia (ATRAF) [MIM:209300]. Atransferrinemia is rare autosomal recessive disorder characterized by iron overload and hypochromic anemia.
Sequence similarities	Belongs to the transferrin family. Contains 2 transferrin-like domains.
Cellular localization	Secreted.

Images



SDS-PAGE - Natural Human Apotransferrin protein (ab91100)

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)

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