

# Native Human Apotransferrin

**Cat. No.** TF-103H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Native Human Apotransferrin was purified from Human Plasma.
<b>Species</b>	Human
<b>Source</b>	Human Plasma
<b>Description</b>	This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum.
<b>Form</b>	Lyophilized from 10 mM phosphate buffer, pH 7.4.
<b>Molecular Mass</b>	80 kDa
<b>Purity</b>	≥95% by SDS-PAGE
<b>Quality Control Test</b>	Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.
<b>Storage</b>	Store at -20°C.

 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

## GENE INFORMATION

<b>Gene Name</b>	TF transferrin [ Homo sapiens ]
<b>Official Symbol</b>	TF
<b>Synonyms</b>	TF; transferrin; serotransferrin; PRO1557; PRO2086; siderophilin; beta-1 metal-binding globulin; TFQTL1; DKFZp781D0156;
<b>Gene ID</b>	7018
<b>mRNA Refseq</b>	NM_001063
<b>Protein Refseq</b>	NP_001054
<b>MIM</b>	190000
<b>UniProt ID</b>	P02787
<b>Chromosome Location</b>	3q21
<b>Pathway</b>	EPHB forward signaling, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; Hemostasis, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem;
<b>Function</b>	ferric iron binding; metal ion binding; protein binding; ubiquitin protein ligase binding;

 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