

# Native Human Apo Transferrin Protein, Tag Free

**Cat. No.** TF-62H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Native human Apo Transferrin Protein without Tag was purified from human serum.
<b>Species</b>	Human
<b>Source</b>	Serum
<b>ProteinLength</b>	1-698aa
<b>Description</b>	Transferrins are iron binding transport proteins which can bind two Fe <sup>3+</sup> 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.
<b>Tag</b>	Non
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder
<b>Molecular Mass</b>	77 kDa
<b>Purity</b>	Greater than 98.0% as determined by coomassie blue stained SDS-PAGE and Cellulose Acetate electrophoresis.
<b>Notes</b>	Our products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or

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	household chemicals.
<b>Storage</b>	Store the lyophilized Apo Transferrin between 2-8 centigrade, do not freeze. Upon reconstitution Apo Transferrin should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. Please prevent freeze-thaw cycles.
<b>Storage Buffer</b>	The protein was lyophilized from 20mM NH <sub>4</sub> HCO <sub>3</sub> solution. May contain traces of buffer salts.
<b>Solubility</b>	It is recommended to reconstitute the lyophilized Apo Transferrin in sterile 18MΩ-cm H <sub>2</sub> O not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.
<b>Shipping</b>	Room temperature.
<b>Human Virus Test</b>	Plasma from each donor has been tested and found negative for antibody to HIV-1, HIV-2, HCV, HBSAG and Syphilis.
<b>Iron Content</b>	The Iron content was estimated by ICP and was found to be <6 ppm.
<b>References</b>	1. Src-Mediated Phosphorylation of Dynamin and Cortactin Regulates the "Constitutive" Endocytosis of Transferrin. Molecular and cellular biology 30.3 (2010): 781-792.

## GENE INFORMATION

<b>Gene Name</b>	TF transferrin [ Homo sapiens (human) ]
<b>Official Symbol</b>	TF
<b>Synonyms</b>	TF; transferrin; serotransferrin; PRO1557; PRO2086; siderophilin; beta-1 metal-

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binding globulin; TFQTL1; DKFZp781D0156


**Gene ID** 7018

**mRNA Refseq** NM\_001063

**Protein Refseq** NP\_001054

**MIM** 190000

**UniProt ID** P02787

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