

# Recombinant Human Transferrin

**Cat. No.** TF-4203H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human Apo Transferrin is a glycoprotein of approximately 77 kDa.
<b>Source</b>	Human
<b>Description</b>	Transferrin is the iron-transport protein of vertebrate serum and donates iron to cells through interaction with a specific membrane receptor, CD71. Transferrin appears to be indispensable for most cells growing in tissue culture. It is referred to frequently as a growth factor because, in analogy to other growth factor-receptor interactions, proliferating cells express high numbers of transferrin receptors, and the binding of transferrin to their receptors is needed for cells to initiate and maintain their DNA synthesis. Apart from its role as an iron transport protein transferrin acts as a cytokine and has functions that may not be related to its iron-carrying capacity.
<b>Form</b>	The protein (1mg/ml) was lyophilized without any additives.
<b>Purity</b>	Greater than 98.0% as determined by Cellulose Acetate Electrophoresis.
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Solubility</b>	It is recommended to reconstitute the lyophilized Apo Transferrin in sterile 18M $\mu$ -cm H <sub>2</sub> O not less than 100g/ml, which can then be further diluted to other aqueous solutions.
<b>Storage</b>	Lyophilized Apo Transferrin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Apo Transferrin should be

 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

stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

## GENE INFORMATION

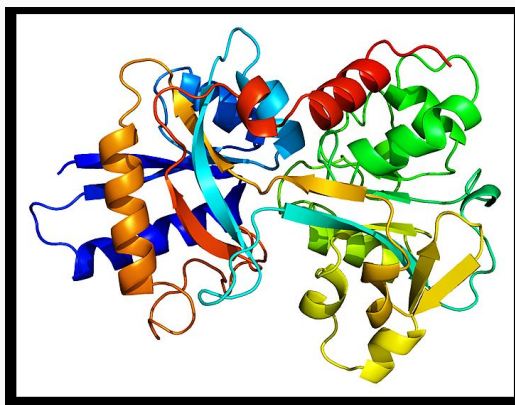
<b>Gene Name</b>	TF transferrin [ Homo sapiens ]
<b>Official Symbol</b>	TF
<b>Synonyms</b>	transferrin; PRO1557; PRO2086; DKFZp781D0156; TF; Siderophilin; Transferrin; Beta-1 metal-binding globulin
<b>Gene ID</b>	7018
<b>mRNA Refseq</b>	NM_001063
<b>Protein Refseq</b>	NP_001054
<b>MIM</b>	190000
<b>UniProt ID</b>	P02787
<b>Chromosome Location</b>	3q22.1
<b>Pathway</b>	Hemostasis
<b>Function</b>	ferric iron binding; metal ion binding; protein binding

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