

Recombinant Human Transferrin

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

SPECIFICATION

Product Overview	Human Apo Transferrin is a glycoprotein of approximately 77 kDa.
Source	Human
Description	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.
Form	The protein (1mg/ml) was lyophilized without any additives.
Purity	Greater than 98.0% as determined by Cellulose Acetate Electrophoresis.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	It is recommended to reconstitute the lyophilized Apo Transferrin in sterile 18M μ -cm H ₂ O not less than 100g/ml, which can then be further diluted to other aqueous solutions.
Storage	Lyophilized Apo Transferrin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Apo Transferrin should be

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

GENE INFORMATION

Gene Name TF transferrin [Homo sapiens]

Official Symbol TF

Synonyms transferrin; PRO1557; PRO2086; DKFZp781D0156; TF; Siderophilin; Transferrin; Beta-1 metal-binding globulin

Gene ID 7018

mRNA Refseq NM_001063

Protein Refseq NP_001054

MIM 190000

UniProt ID P02787

Chromosome Location 3q22.1

Pathway Hemostasis

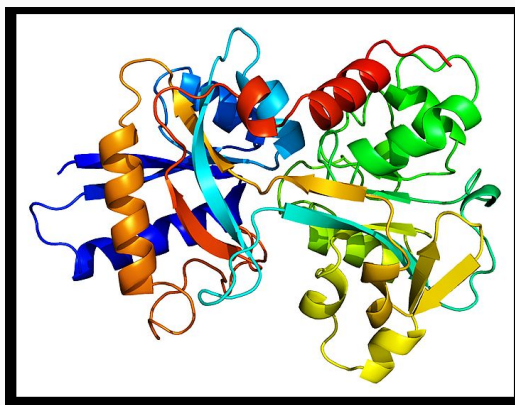
Function ferric iron binding; metal ion binding; protein binding

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