

Native Human Serum Transferrin APO (Iron Free)

Cat. No. TF-8271H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human Serum Transferrin(Iron Free) was purified from Human Serum.
Species	Human
Source	Human Serum
Description	Human Transferrin is a plasma protein for iron ion delivery. Human Transferrin is a glycoprotein with homologous N-terminal and C-terminal iron binding domains. Human Transferrin is related to other iron binding proteins including lactoferrin. When human transferrin loaded with iron encounters a human transferrin receptor on the surface of a cell, it binds to it and is consequently transported into the cell in a vesicle. The cell will acidify the vesicle, causing human transferrin to release its iron ions. Each human transferrin molecule has the ability to carry two iron ions in the ferric form (Fe³⁺).
Form	Lyophilized in ammonia bicarbonate buffer. pH 7.2
Molecular Mass	77 kD
Purity	>99% by SDS-PAGE
Stability	2 years
Storage	2-8 °C

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GENE INFORMATION

Gene Name	TF transferrin [Homo sapiens]
Official Symbol	TF
Synonyms	TF; transferrin; serotransferrin; PRO1557; PRO2086; siderophilin; beta-1 metal-binding globulin; TFQTL1; DKFZp781D0156;
Gene ID	7018
mRNA Refseq	NM_001063
Protein Refseq	NP_001054
MIM	190000
UniProt ID	P02787
Chromosome Location	3q21
Pathway	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;
Function	ferric iron binding; metal ion binding; protein binding; ubiquitin protein ligase binding;

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