

Native Human TF

Cat. No. TF-31158TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native Human Transferrin purified from Human plasma; amino acids 20-698, 679 amino acids, MWt 80kDa.
Species	Human
ProteinLength	20-698 a.a.
Description	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.
Tissue specificity	Expressed by the liver and secreted in plasma.
Biological activity	Iron Content: >= 1100 ug per gram.
Form	Lyophilised
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20mM Sodium phosphate, 150mM Sodium chloride,

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	pH 7.4
Storage	Shipped at 4°C. Store at -20oC.
Sequence Similarities	Belongs to the transferrin family.Contains 2 transferrin-like domains.
Full Length	Full L.
GENE INFORMATION	
Gene Name	TF transferrin [Homo sapiens]
Official Symbol	TF
Synonyms	TF; transferrin; serotransferrin; PRO1557; PRO2086;
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

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uptake and transport, organism-specific biosystem; Mineral absorption, organism-specific biosystem;

Function

ferric iron binding; metal ion binding; protein binding; ubiquitin protein ligase binding;

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