

Native Human TF

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

SPECIFICATION

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|----------------------------|---|
| 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: \geq 1100 ug per gram. |
| Form | Lyophilised |
| Purity | >95% by SDS-PAGE |
| Storage buffer | Preservative: None Constituents: 20mM Sodium phosphate, 150mM Sodium chloride, |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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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

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|----------------------------|---|
| 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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