

## Native Human Transferrin (HOLO)

Cat. No. TF-102H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Native Human Transferrin (HOLO) was purified from Human Plasma.
<b>Species</b>	Human
<b>Source</b>	Human Plasma
<b>Description</b>	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.
<b>Form</b>	Lyophilized from 20 mM Na Phosphate, pH 7.4, and 150 mM NaCl
<b>Molecular Mass</b>	80 kDa
<b>Purity</b>	≥95% by SDS-PAGE
<b>Storage</b>	Store at -20°C.

### GENE INFORMATION

 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

<b>Gene Name</b>	TF transferrin [ Homo sapiens ]
<b>Official Symbol</b>	TF
<b>Synonyms</b>	TF; transferrin; serotransferrin; PRO1557; PRO2086; siderophilin; beta-1 metal-binding globulin; TFQTL1; DKFZp781D0156;
<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>	3q21
<b>Pathway</b>	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;
<b>Function</b>	ferric iron binding; metal ion binding; protein binding; ubiquitin protein ligase binding;

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