Native Human TF

Cat. No. TF-31156TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native Human Transferrin purified from human plasma.
Species	Human
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	TF-31156TH has an iron binding capacity of 1.2 to 1.6ug/mg.
Form	Lyophilised:Reconstitute with 5.62ml distilled water.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10mM PBS, pH 7.4
Storage	Store at -20°C. Stable for 12 months at -20°C

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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 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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