Native Human Apo Transferrin Protein, Tag Free

Cat. No. TF-62H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human Apo Transferrin Protein without Tag was purified from human serum.
Species	Human
Source	Serum
ProteinLength	1-698aa
Description	Transferrins are iron binding transport proteins which can bind two Fe3+ ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.
Tag	Non
Form	Sterile Filtered White lyophilized (freeze-dried) powder
Molecular Mass	77 kDa
Purity	Greater than 98.0% as determined by coomassie blue stained SDS-PAGE and Cellulose Acetate electrophoresis.
Notes	Our products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or

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

	household chemicals.
Storage	Store the lyophilized Apo Transferrin between 2-8 centigrade, do not freeze. Upon reconstitution Apo Transferrin should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. Please prevent freeze-thaw cycles.
Storage Buffer	The protein was lyophilized from 20mM NH4HC03 solution. May contain traces of buffer salts.
Solubility	It is recommended to reconstitute the lyophilized Apo Transferrin in sterile 18MΩ-cm H2O not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.
Shipping	Room temperature.
Human Virus Test	Plasma from each donor has been tested and found negative for antibody to HIV-1, HIV-2, HCV, HBSAG and Syphilis.
Iron Content	The Iron content was estimated by ICP and was found to be <6 ppm.
References	1. Src-Mediated Phosphorylation of Dynamin and Cortactin Regulates the "Constitutive" Endocytosis of Transferrin. Molecular and cellular biology 30.3 (2010): 781-792.

GENE INFORMATION

Gene Name	TF transferrin [Homo sapiens (human)]
Official Symbol	TF
Synonyms	TF; transferrin; serotransferrin; PRO1557; PRO2086; siderophilin; beta-1 metal-

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

	binding globulin; TFQTL1; DKFZp781D0156
Gene ID	7018
mRNA Refseq	NM_001063
Protein Refseq	NP_001054
MIM	190000
UniProt ID	P02787

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