

TF

Native Human Transferrin (HOLO), Plasma Tissue Culture Grade

Catalog No.	CSI19828A	Quantity:	100 mg
	CSI19828B		1 gram

Alternate Names: Serotransferrin, Beta-1 metal-binding globulin

Description: Transferrin is a monomeric glycoprotein found in plasma at an average concentration of 250 mg/100 ml. The Holo form of transferrin is iron saturated. The specific iron-binding protein in plasma, it has a role in the transportation and distribution of iron among the body organs, in iron metabolism and prevention of iron loss via the kidneys. Stored in bone marrow as Tf-bound iron, it also possesses bacteriostatic and fungistatic activity. It is an important transport factor used in defined culture media. Clinically, decreases in transferrin are observed in congenital disorders, newborns, inflammatory diseases, hypoproteinemias and nephrotic syndrome; increases are found in pregnancy, iron-deficiency anemias, and inoculation hepatitis. Transferrin is required by all types of cells in cultures for maximal growth.

This product is tested in cell culture and shown to be free of toxins and other contaminants which could inhibit cultured cell growth.

UniProt ID: P02787

Gene ID: 7018

Source: Human plasma

Molecular Weight: 80 kDa

Iron Content: $\geq 1100 \mu\text{g}$ per gram (saturated, diferric transferrin, HOLO)

Formulation: Lyophilized from sterile-filtered 20 mM sodium phosphate, 150 mM NaCl, pH 7.4

Endotoxin: ≤ 1 EU/mg by LAL analysis

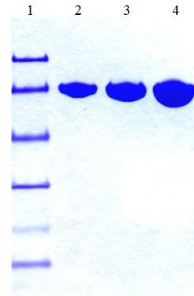
Purity: $\geq 95\%$ by SDS-PAGE analysis

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to prepare a 1-3% solution. Gently mix and allow several minutes for complete reconstitution.

DO NOT VORTEX.

Storage & Stability: Store at -20°C to 80°C for at least 1 year. Upon reconstitution, prepare aliquots of the stock solution and store at -80°C . **Avoid repeated freeze-thaw cycles.**

Infectious Disease Statement: Prepared from plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.



1. Molecular Weight Markers
2. Human Transferrin (5 ug) NR
3. Human Transferrin (10 ug) NR
4. Human Transferrin (20 ug) NR

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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