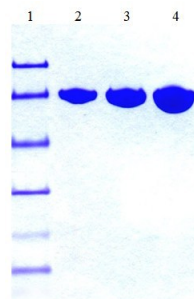


TF

Native Human Transferrin (HOLO), Plasma BioProcess Grade

Catalog No.	CSI19808A CSI19808B	Quantity:	1 gram 5 gram
Alternate Names:	Serotransferrin, Beta-1 metal-binding globulin		
Description:	<p>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.</p> <p>This product is tested in cell culture and shown to be free of toxins and other contaminants which could inhibit cultured cell growth.</p>		
UniProt ID:	P02787		
Source:	Human plasma		
Iron Content:	1200-1700 µg per gram (saturated, diferric transferrin, HOLO)		
Molecular Weight:	80 kDa		
Formulation:	Lyophilized from sterile de-ionized water after filtration using a 0.1 micron filter		
Purity:	<p>≥ 98% by SDS-PAGE analysis, single band prior to heat treatment</p> <p>pH range of a 3% solution: 6.5-8.0</p>		
Heat Treatment:	60°C for 10 hours		
Endotoxin:	≤ 1 EU/mg by LAL analysis		
Bioburden:	< 10 CFU/mg		
Mycoplasma:	none detected		
Reconstitution:	<p>Centrifuge vial prior to opening. Readily soluble at 1-3% in sterile deionized water. Gently mix and allow several minutes for complete reconstitution.</p> <p>DO NOT VORTEX.</p>		
Storage & Stability:	<p>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.</p>		
Infectious Disease Statement:	<p>Prepared from US-sourced plasma that has been tested by FDA-required methods and found negative at the donor level for HIV 1&2 antibodies, Hepatitis B surface antigen, Hepatitis C antibodies, HAV (NAT), HBV (NAT), HCV (NAT), HIV (NAT), parvovirus B19 (NAT), and Syphilis.</p>		





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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