

TF

Native Human Apo-Transferrin, Plasma

Catalog No.	CSI19788A	Quantity:	100 mg
	CSI19788B		1.0 g

Description: Transferrin (TF) is a glycoprotein 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. Therefore, each Human TF molecule has the ability to carry two Iron ions in the Ferric form (Fe³⁺). The function of TF is to transport Iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. TF may also have a physiologic role as Granulocyte/Pollen-Binding Protein (GPBP) involved in the removal of certain organic matter and allergens from serum. Apo-Transferrin designates the form of the molecule without Iron bound. Like TF, APO-TF has a physiological role in the transportation and distribution of Iron among the body organs. It is also an important transport factor used in defined culture media.

UniProt ID: P02787

Gene ID: 7018

Source: Human Plasma

Molecular Weight: 76.5 kDa

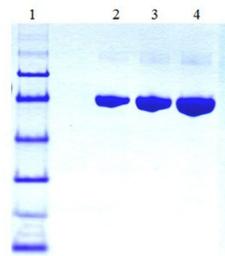
Formulation: Lyophilized from Ammonium Bicarbonate pH 7.2

Purity: >95% by SDS-PAGE analysis
< 0.01% iron and an iron-binding capacity of 1.25 ug/mg.

Reconstitution: **Centrifuge vial prior to opening.** Add deionized water to a concentration of 10 mg/mL., aliquot and freeze unused portion.

Storage & Stability: Store at -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -80°C. **Avoid repeated freeze-thaw cycles.**

Certification: 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 Apotransferrin (5 ug) NR
3. Human Apotransferrin (10 ug) NR
4. Human Apotransferrin (20 ug) NR



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