

TF

## Native Human Apo-Transferrin

<b>Catalog No.</b>	CSI19788A	<b>Quantity:</b>	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 (Fe<sup>3+</sup>). 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.

**Gene ID:** 7018

**Source:** Human Plasma

**Molecular Weight:** 76.5 kDa

**Formulation:** Lyophilized from Ammonium Bicarbonate pH 7.2

**Purity:** >95% by SDS-PAGE;  
Purified to have <0.02 mg Iron/g TF

**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 -70°C. 3 years from delivery. **Avoid repeated freeze-thaw cycles.**

**Contaminants:** 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.

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

