

TF

Native Human Apo-Transferrin

Catalog No.	CSI19788A CSI19788B	Quantity:	100 mg 1.0 g
Description:	<p>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.</p>		
Gene ID:	7018		
Source:	Human Plasma		
Molecular Weight:	76.5 kDa		
Formulation:	Lyophilized from Ammonium Bicarbonate pH 7.2		
Purity:	<p>>95% by SDS-PAGE; Purified to have <0.02 mg Iron/g TF</p>		
Reconstitution:	<p>Centrifuge vial prior to opening. Add deionized water to a concentration of 10 mg/mL., aliquot and freeze unused portion.</p>		
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.		

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