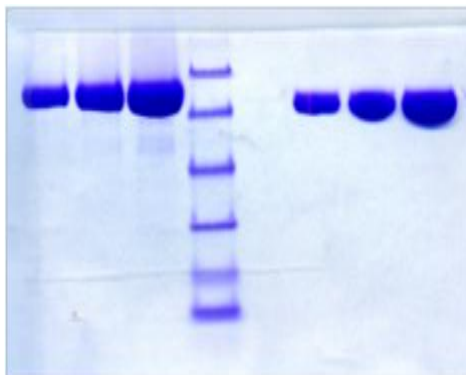


LTF

Native Human Apo-Lactoferrin

Catalog No.	CRL104B	Quantity:	5 mg
Alternate Names:	Lactotransferrin, Lactoferrin, Growth-inhibiting protein 12, Talactoferrin		
Description:	Lactoferrin is a major iron-binding and multifunctional glycoprotein that is member of the transferrin family and found in exocrine fluids. The protein is a major iron-binding protein in milk and mucosal secretions with an antimicrobial activity, making it an important component of the non-specific immune system. The protein demonstrates a broad spectrum of properties, including regulation of iron homeostasis, host defense against a broad range of microbial infections, anti-inflammatory activity, regulation of cellular growth and differentiation and protection against cancer development and metastasis. Apo-Lactoferrin is an iron-free form of lactoferrin.		
UniProt ID:	P02788		
Source:	Human milk		
Molecular Weight:	82.4 kDa		
Formulation:	Lyophilized from 50 mM Tris-HCl, pH 8.0, with 0.2 M NaCl		
Purity:	≥ 95% by SDS-PAGE		
Extinction Coefficient:	$E_{280\text{nm}}^{0.1\%} = 1.46$		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 -1.0 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Store unopened at -20°C to -80°C for up to 1 year. Upon reconstitution, store aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		
Infectious Disease Statement:	Prepared from human milk shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA-required tests.		

SDS-PAGE of Human Apo-Lactoferrin



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