

Native Human lactoferrin

Cat. No. LTF-175H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Hman Plasma
ProteinLength	Full length native Human lactoferrin
Description	Lactoferrin is a glycoprotein present in most human mucosal secretions, including human milk. Lactoferrin is bacteriostatic in low iron media and, in some settings, bactericidal. Lactoferrin impairs ability of Shigella flexneri serotype 5 strain M90T to invade HeLa cells. To determine the mechanism by which lactoferrin decreases invasiveness of Shigella organisms, its effect on the major virulence proteins responsible for bacterial uptake by host cells was evaluated. Lactoferrin induced degradation of invasion plasmid antigens IpaB and, to a lesser extent, IpaC, the key proteins responsible for bacteria-directed phagocytosis by mammalian cells.
Form	Liquid
Purity	>95% (SDS-PAGE)
Applications	Western blotting,ELISA,etc.
Storage	Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Storage Buffer Tris pH8.0

GENE INFORMATION

Gene Name LTF lactotransferrin [Homo sapiens]

Official Symbol LTF

Synonyms LTF; lactotransferrin; HLF2; talalactoferrin; neutrophil lactoferrin; growth-inhibiting protein 12; LF; GIG12;

Gene ID 4057

mRNA Refseq NM_001199149

Protein Refseq NP_001186078

MIM 150210

UniProt ID P02788

Chromosome Location 3p21.31

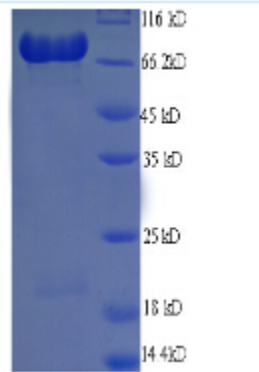
Pathway Amyloids, organism-specific biosystem; Disease, organism-specific biosystem;

Function ferric iron binding; heparin binding; metal ion binding; peptidase activity; protein binding; serine-type endopeptidase activity;

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