9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

LTF Holo Human

Lactoferrin Holo Human Recombinant
RCP1276

Product Overview

Name	LTF Holo Human

Description

Lactoferrin Holo Human Recombinant

Accession (Primary)	P02788

Synonyms

Lactotransferrin, Lactoferrin, Growth-inhibiting protein 12, Talalactoferrin, LTF, GIG12, LF, HLF2, Neutrophil Lactoferrin.

Introduction

Lactoferrin is a glycoprotein that belongs to the transferrin family of iron binding proteins. It is found in human breast milk as well as most epithelial surface secretions including tears, nasogastric, saliva, and bronchial. Lactoferrin binds 2 molecules of iron with very high affinity. Lactoferrin inhibits bacterial growth by withholding iron, its N-terminal region is an antimicrobial peptide. Lactotransferrin acts synergistically with lysozyme to potentiate the activity of both proteins. The multifunctional protein lactoferrin has many physiological possible roles. It is often referred to as an innate defense protein and frequently serves as the first line of defense in protection against pathogens. It has been shown to have the ability to bind iron, it is a natural anti-bacterial, anti-fungal and anti-viral, it is an antioxidant and it also has immunomodulatory properties. It has many beneficial properties, which make it a good candidate for a number of product applications. Considerable research is currently going on to explain the various suggested biological functions of lactoferrin.

Source

Rice Flour.

Physical Appearance

Pink lyophilized powder.

Formulation

The Human Holo lactoferrin was lyophilized with no additives.

Stability

Recombinant Holo Lactoferrin although stable at room temperature for 5 days, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

Purity

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Greater than 95% as determined by SDS-PAGE.

Solubility

It is recommended to reconstitute the lyophilized LTF Holo Human in sterile water at 10mg/ml, which can then be further diluted to other aqueous solutions.

Precautions

LTF Holo Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02788)