

## Native Human LTF

**Cat. No.** LTF-27590TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Full length native mature Lactoferrin, Apo form, purified from human breast milk.
<b>Species</b>	Human
<b>Source</b>	Human Breast Milk
<b>Description</b>	<p>This gene is a member of the transferrin family of genes and its protein product is found in the secondary granules of neutrophils. The protein is a major iron-binding protein in milk and body 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.</p>
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	Preservative: None Constituents: ddH <sub>2</sub> O
<b>Full Length</b>	Full L.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

<b>Gene Name</b>	LTF lactotransferrin [ Homo sapiens ]
<b>Official Symbol</b>	LTF
<b>Synonyms</b>	LTF; lactotransferrin; HLF2; talalactoferrin; neutrophil lactoferrin; growth-inhibiting protein 12; LF; GIG12;
<b>Gene ID</b>	4057
<b>mRNA Refseq</b>	NM_001199149
<b>Protein Refseq</b>	NP_001186078
<b>MIM</b>	150210
<b>UniProt ID</b>	P02788
<b>Chromosome Location</b>	3p21.31
<b>Pathway</b>	Amyloids, organism-specific biosystem; Disease, organism-specific biosystem;
<b>Function</b>	ferric iron binding; heparin binding; metal ion binding; peptidase activity; protein binding; serine-type endopeptidase activity;

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