

# Recombinant Full Length Human LTF Protein, GST-tagged

**Cat. No.** LTF-6210HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human LTF full-length ORF ( AAH22347.1, 1 a.a. - 711 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	711 amino acids
<b>Description</b>	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. [provided by RefSeq
<b>Molecular Mass</b>	104.7 kDa
<b>AA Sequence</b>	MKLVFLVLLFLGALGLCLAGRRRRSVQWCAVSQPEATKCFQWQRNMRKVCPPVS CIKRDSP IQCIQAI AENRADAVTL DGGFIYEAGLAPYKLRPVAAEVYGTERQPRTHYY AVAVVKKGGSFQLNELQGLKSCHTGRRRTAGWNVPIGTLRPFLNWTGPPEPIEAAV ARFFSASCVPGADKGQFPNLCRLCAGTGENKCAFSSQEPYFSYSGAFKCLRDGAG DVAFIRESTVFEDLSDEAERDEYELLCPDNTRKPVDFKFDCHLARVP SHAVVARSVN

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GKEDAIWNLLRQAQEKFGKDKSPKFQLFGSPSGQKDLLFKDSAIGFSRVPPRIDSGL  
 YLGSFYFTAQNLKSEEEVAARRARVVWCAVGEQELRKCQNQWSGLSEGSVTCSS  
 ASTTEDCIALVLKGEADAMSLDGGYVYTAGKCGLVPVLAENYKSQQSSDPDNCVD  
 RPVEGYLAVAVVRRSDTSLTWNSVKGKKSCHTAVDRTAGWNIPMGLLFNQTGSCK  
 FDEYFSQSCAPGSDPRS NLCALCIGDEQGENKCVPSNERYYYGYTGAFRCLAENA  
 GDVAFVKDVTVLQNTDGNNNEAWAKDLKLADFALLCLDGKRKPVTEARSCHLAMAP  
 NHAVVSRMDKVERLKQVLLHQQAKFGRNGSDCPDKFCLFQSETKNLLFNDNTECLA  
 RLHGKTTYEKYLG PQYVAGITNLKKCSTSPLEACEFLRK

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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

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mRNA Refseq	NM_001199149
Protein Refseq	NP_001186078
MIM	150210
UniProt ID	P02788

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