

Recombinant Full Length Human LTF Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human LTF full-length ORF (AAH22347.1, 1 a.a. - 711 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	711 amino acids
Description	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]
Molecular Mass	104.7 kDa
AA Sequence	MKLVFLVLLFLGALGLCLAGRRRRSVQWCAVSQPEATKCFQWQRNMRKVCPPVS CIKRDSPIQCIQAIENRADAVTLDDGGFIYEAGLAPYKLRPVAAEVYGTERQPRTHYY AVAVVKKGGSFQLNELQGLKSCHTGRRRTAGWNVPIGTLRPFLNWTGPPEPIEAAV ARFFSASCVPGADKGQFPNLCRLCAGTGENKCAFSSQEPYFSYSGAFKCLRDGAG DVAFIRESTVFEDLSDEAERDEYELLCPDNTRKPVDFKDKCHLARVPSHAVVARSVN

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GKEDAIWNLLRQAQEKFGKDKSPKFQLFGSPSGQKDLLFKDSAIGFSRVPPRIDSGL
 YLGSGYFTAIQNLRKSEEEVAARRARVWCAVGEQELRKCQWSGLSEGSVTCSS
 ASTTEDCIALVLKGEADAMSLDGGYVYTAGKCGLVPVLAENYKSQQSSDPDPNCVD
 RPVEGYLAVAVRRSDTSLTWNSVKGKKSCHTAVDRTAGWNIPMGLLFNQGTGCK
 FDEYFSQSCAPGSDPRSNCALCIGDEQGENKCVPSNERYYYGTGAFRCLAENA
 GDVAFVKDVTVLQNTDGNNNEAWAKDLKLADFALLCLDGKRKPVTEARSCHLAMAP
 NHAVVSRMDKVERLKQVLLHQQAKFGRNGSDCPDKFCLFQSETKNLLFNDNTECLA
 RLHGKTTYEKYLGPPQYVAGITNLKKCSTSPLEACEFLRK

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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