

Recombinant Human LTF protein, His-tagged

Cat. No. LTF-7666H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LTF aa. (Glu542~Gln685 (Accession # P02788)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu542~Gln685
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. Antimicrobial, antiviral, antifungal and antiparasitic activity has been found for this protein and its peptides. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	18 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 7.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	LTF lactotransferrin [Homo sapiens (human)]
Official Symbol	LTF
Synonyms	LF; HLF2; GIG12; HEL110; epididymis luminal protein 110; growth-inhibiting protein 12; kaliocin-1; lactoferricin; lactoferroxin; neutrophil lactoferrin; talalactoferrin; lactotransferrin
Gene ID	4057
mRNA Refseq	NM_001199149.1

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Protein Refseq	NP_001186078.1
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UniProt ID	P02788
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