

Recombinant Human LTF / Holo-lactoferrin protein

Cat. No. LTF-155H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Holo Lactoferrin produced in Plant is a glycosylated polypeptide chain having an approximate molecular mass of 77-80 kDa. The Human Holo Lactotransferrin is purified by proprietary chromatographic techniques.
Species	Human
Source	Rice Flour
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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Formulation	The Human Holo lactotransferrin was lyophilized from water, contains 1.64mg iron/gram Lactoferrin.
Molecular Mass	77-80 kDa
Physical Appearance	Pink lyophilized powder.

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Purity	Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Stability	Recombinant Holo Lactotransferrin although stable at room temperature for 5 days, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.
GENE INFORMATION	
Gene Name	LTF lactotransferrin [Homo sapiens (human)]
Official Symbol	LTF
Synonyms	LTF; LF; HLF2; GIG12; lactotransferrin; talalactoferrin; neutrophil lactoferrin; growth-inhibiting protein 12
Gene ID	4057
mRNA Refseq	NM_001199149
Protein Refseq	NP_001186078
MIM	150210
UniProt ID	P02788
Chromosome Location	3p21.31
Pathway	Amyloids; Disease; Latent infection of Homo sapiens with Mycobacterium tuberculosis; Mtb iron assimilation by chelation
Function	DNA binding; ferric iron binding; heparin binding; serine-type endopeptidase activity

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