

Lactoferrin Holo Recombinant Protein | LTF recombinant protein

Recombinant Human Lactoferrin Holo

CATALOG # AAA38577	HOST Rice Flour
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PRODUCT SYNONYMS

Lactoferrin Holo; Recombinant Human Lactoferrin Holo; Lactotransferrin; Lactoferrin; Growth-inhibiting protein 12; Talalactoferrin; LTF; GIG12; LF; HLF2; Neutrophil Lactoferrin.; LTF recombinant protein

PRODUCT SPECIFICATIONS

Host	Rice Flour
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	The Human Holo lactotransferrin was lyophilized from water, contains 1.66mg iron/gram Lactoferrin.
Sequence Length	666
Source	Rice Flour.
Physical Appearance	Pink lyophilized powder.
Solubility	It is recommended to reconstitute the lyophilized LTF Holo Human in sterile water not less than 100ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Recombinant Holo Lactotransferrin although stable at room temperature for 5 days, should be stored desiccated below -18 degree C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for LTF recombinant protein	Description:Recombinant Human Holo Lactoferrin produced in Plant is a glycosylated mature polypeptide sequence without signal 1-19 peptide, chain 20-712 AA. Having an approximate molecular mass of 77-80 kDa. The Human Holo Lactotransferrin is purified by proprietary chromatographic techniques. Introduction: Lactoferrin is a glycoprotein that belongs to the transferrin family of iron binding proteins. It is found in human breast milk as well as most epithelial surface secretions including tears, nasogastric, saliva, and bronchial. Lactoferrin binds 2 molecules of iron with very high affinity. Lactoferrin inhibits bacterial growth by withholding iron, its N-terminal region is an antimicrobial peptide. Lactotransferrin acts synergistically with lysozyme to potentiate the activity of both proteins. The multifunctional protein lactoferrin has many physiological possible roles. It is often referred to as an innate defense protein and frequently serves as the first line of defense in protection against pathogens. It has been shown to have the ability to bind iron, it is a natural anti-bacterial, anti-fungal and anti-viral, it is an antioxidant and it also has immunomodulatory properties. It has many beneficial properties, which make it a good candidate for a number of product applications. Considerable research is currently going on to explain the various suggested biological functions of lactoferrin.
Product Categories/Family for LTF recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Lactoferrin

NCBI AND UNIPROT INFORMATION

NCBI GI #	312433998
NCBI GeneID	4057

NCBI Accession #	NP_001186078.1
NCBI GenBank Nucleotide #	NM_001199149.1
UniProt Accession #	P02788 ; O00756 ; Q16780 ; Q16785 ; Q16786 ; Q16789 ; Q5DSM0 ; Q8IU92 ; A8K9U8 ; B2MV13 ; B7Z4X2 ; E7EQH5
NCBI Official Full Name	lactotransferrin isoform 2
NCBI Official Synonym Full Names	lactotransferrin
NCBI Official Symbol	LTF
NCBI Official Synonym Symbols	LF; HLF2; GIG12; HEL110
NCBI Protein Information	lactotransferrin; epididymis luminal protein 110; growth-inhibiting protein 12; kaliocin-1; lactoferricin; lactoferroxin; neutrophil lactoferrin; talalactoferrin
UniProt Protein Name	Lactotransferrin
UniProt Gene Name	LTF
UniProt Synonym Gene Names	GIG12; LF; Lactoferrin; Lfcin-H
UniProt Entry Name	TRFL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ltf-recombinant-protein-rice-flour/38577>