Lactoferrin Recombinant Protein | LTF recombinant protein

Recombinant Human Lactoferrin (LTF) Protein

CATALOG #	HOST
AAA55771	**E. coli Ser381-Gly683 (P02788).**

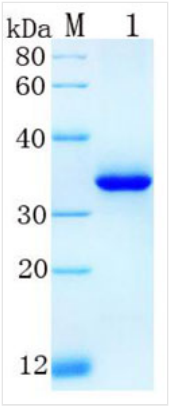
PRODUCT SYNONYMS

Lactoferrin; Recombinant Human Lactoferrin (LTF) Protein; HLF2; LF; GIG12; Lactotransferrin; Growth-inhibiting protein 12; Kaliocin-1; Talalactoferrin; Lfcin-H.; LTF recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli Ser381-Gly683 (P02788).
Purity/Purification	>90 % as determined by SDS-PAGE.
Form/Format	The protein was expressed as 6XHis-tagged fusion protein by E.Coli and purified by NI-sepharose. The purified protein was resolved in PBS(58 mM Na2HPO4,17 mM NaH2PO4, 68 mM NaCl, pH 7.4) added with 15% glycerol. The elution buffer contain 300 mM imidazol.
Concentration	1mg/mL (varies by lot)
Sequence	SGLSEGSVTC SSASTTEDCI ALVLKGEADA MSLDGGYVYT AGKCGLVPVL AENYKSQQSS DPDPNCVDRP VEGYLAVAVV RRSDTSLTWN SVKGKKSCHT AVDRTAGWNI PMGLLFNQTG SCKFDEYFSQ SCAPGSDPRS NLCALCIGDE QGENKCVPNS NERYYGYTGA FRCLAENAGD VAFVKDVTVL QNTDGNNNEA WAKDLKLADF ALLCLDGKRK PVTEARSCHL AMAPNHAVVS RMDKVERLKQ VLLHQQAKFG RNGSDCPDKF CLFQSETKNL LFNDNTECLA RLHGKTTYEK YLG
Sequence Length	475
Source	Human
Protein Residues	N-terminal 6*His-tagged.
Usage	LTF Protein - Centrifuge the standard vial at 6000-10000rpm for 30s
Preparation and Storage	Store it under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LTF recombinant protein	Background: LTF, a globular multifunctional protein with antimicrobial activity (bacteriocide, fungicide), is part of the innate defense, mainly at mucoses. Lactoferrin is found in milk and many mucosal secretions such as tears and saliva. Lactoferrin is also present in secondary granules of PMN and also is secreted by some acinar cells. Human colostrum has the highest concentration, followed by human milk, then cow milk. Lactoferrin belongs to the transferrin family proteins (TF, melanotransferrin, ovotransferin, etc.). Its molecular mass is 80,000u (80 kDa). Lactoferrin antimicrobial activity is due partly to its high affinity for Fe (ferric state). LF proteolysis produces lactoferricin, kaliocin-1 small peptides with antimicrobial activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2104522
NCBI GeneID	4057
Molecular Weight	Predicted MW: 35 kDa Observed MW: 35 kDa
NCBI Official Full Name	lactoferrin, partial
NCBI Official Synonym Full Names	lactotransferrin
NCBI Official Symbol	LTF
NCBI Official Synonym Symbols	LF; HLF2; GIG12; HEL110
NCBI Protein Information	lactotransferrin; kaliocin-1; lactoferricin; lactoferroxin; talalactoferrin; neutrophil lactoferrin; growth-inhibiting protein 12; epididymis luminal protein 110
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.

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Online datasheet: https://stage.aaabiotech.com/ltf-recombinant-protein-e-coli-ser381-gly683/55771