

Recombinant Human LTF Protein Product Manual

1. Product Basic Information

Product No.: REP07390

Protein Name: Neutrophil Lactoferrin (LTF)

Aliases: LF; HLF2; GIG12; HEL110; kaliocin-lactoferricin; lactoferroxin; talalactoferrin; lactotransferrin; neutrophil lactoferrin; growth-inhibiting protein 12; epididymis luminal protein 110

UniProt ID: P02788

UniProt Link: <https://www.uniprot.org/uniprotkb/P02788/entry>

Species Source: Homo sapiens (Human)

Expression System: Baculovirus

Protein Length: Full Length of Mature Protein (20-710aa)

Molecular Weight: 79.0 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (20-710aa)

GRRRSVQWCAVSQPEATKCFQWQRNMRKVRGPPVSCIKRDSPIQCIQAIENRAD
AVTLDDGGFIYEAGLAPYKLRPVAAEVYGTERRQPRTHYYAVAVVKKGGSFQLNELQG
LKSCHTGLRRTAGWNVPIGTLRPFLNWTGPPEPIEAAVARFFSASCVPGADKGQFP
NLCRLCAGTGENKCAFSSQEPYFSYSGAFKCLRDGAGDVAFIRESVTFEDLSDEAE
RDEYELLCPDNTRKPVDFKDKCHLARVPSHAVVARSVNGKEDAIWNLLRQAQEF
GKDKSPKFQLFGSPSGQKDLLFKDSAIGFSRVPPRIDSGLYLGSGYFTAIQNLRKSE
EEVAARRARVWCAVGEQELRKCNQWSGLSEGSVTCSSASTTEDCIALVLKGEAD
AMSLDGGYVYTAGKCGLVPVLAENYKSQQSSDPDPNCVDRPVEGYLAVAVVRRS
DTSLTWNSVKGKKSCHTAVDRTAGWNIPMGLLFNQGTGCKFDEYFSQSCAPGSDP
RSNLCALCIGDEQGENKCVPNSENERYYYGYTGAFRCLAENAGDVAFVKDVTVLQNT
DGNNNEAWAKDLKLADFALLCLDGKRKPVTEARSCHLAMAPNHAVVSRMDKVERL
KQVLLHQQAKFGRNGSDCPDKFCLFQSETKNLLFNDNTECLARLHGKTTYEKYLGP
QYVAGITNLKKCSTSPILLEACEFLRK

3. Storage Buffer



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Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human LTF full length of mature protein protein (20-710aa) expressed in Baculovirus. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. LTF, also known as LF or HLF2 or GIG12, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.