

# Human LTF Recombinant Protein



RPPB4062

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## Product Information    Protein Information

**Product SKU:**

RPPB4062

**Accession:**

P02788

**Host:**

Human breast milk.

**Protein description:**

The Human Lactoferrin produced from Human breast milk has a molecular mass of 76.165kDa (calculated without glycosylation) containing 691 amino acid residues.

**Appearance:**

Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Lactotransferrin, Lactoferrin, Growth-inhibiting protein 12, Talalactoferrin, LTF, GIG12, LF, HLF2, Neutrophil Lactoferrin.

**Formulation:**

LTF protein filtered (0.4µm) and lyophilized in 0.5 mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

**Stability:**

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

**Amino Acid Sequence:**

GRRRSVQWCA VSQPEATKCF QWQRNMRKVR GPPVSCIIRD SPIQCIQAI A ENRADAVTLD GGFYEAGLA  
PYKLRPVAAE VYGTERQPRT HYYAVAVVKK GGSFQLNELQ GLKSCHTGLR RTAGWNVPIG TLRPFLNWTG  
PPEIEAAVA RFFSASCVPG ADKGQFPNLC RLCAGTGENK CAFSSQEPYF SYSGAFKCLR DGAGDVAFIR  
ESTVFEDLSD EAERDEYELL CPDNTRKPV D KFKDCHLARV PSHAVVARSV NGKEDAIWNL LRQAQEKFGK  
DKSPKFQLFG SPSGQKDLLF KDSAIGFSRV PPRIDSGLYL GSGYFTAIQN LRKSEEEVAA RRARVVWCAV  
GEQELRKCQV WSGLSEGSVT CSSASTTEDC IALVLKGEAD AMSLDGGYVY TAGKCGLVVPV LAENYKSQQS  
SDPDPNCVDR PVEGYLAVAV VRRSDTSLTW NSVKGKKSCH TAVDRTAGWN IPMGLLFNQT GSCKFDEYFS  
QSCAPGSDPR SNLCALCIGD EQGENKCVPN SNERYGYTG AFRCLAENAG DVAFVKDVTV LQNTDGNNE  
AWAKDLKLAD FALLCLDGKR KPVTEARSCH LAMAPNHAVV SRMDKVERLK QVLLHQQAKF GRNGSDCPDK  
FCLFQSETKN LLFNDNTECL ARLHGKTTYE KYLGPQYVAG ITNLKCKSTS PLLEACEFLR K.