

Lactoferrin Human (Breast Milk)

Item Number	rAP-3526
Synonyms	Lactotransferrin, Lactoferrin, Growth-inhibiting protein 12, Talalactoferrin, LTF, GIG12, LF, HLF2, Neutrophil Lactoferrin.
Description	The Human Lactoferrin produced from Human breast milk has a molecular mass of 76.165kDa (calculated without glycosylation) containing 691 amino acid residues.
Uniprot Accession Number	P02788
Amino Acid Sequence	GRRRSVQWCA VSQPEATKCF QWQRNMRKVR GPPVSCIKRD SPIQCIQAIA ENRADAVTLD GGFIEAGLA PYKLRPVAAE VYGTERRPRT HYYAVAVVKK GGSFQLNELQ GLKSCHTGLR RTAG- WNVPIG TLRPFLNWTG PPEPIEAAVA RFFSASCVPG ADKGQFPNLC RLCAGTGENK CAFSSQEPYF SYSGAFKCLR DGAGDVAFIR ESTVFEDLSD EAERDEYELL CPDNTRKPVD KFKDCHLARV PSHAV- VARSV NGKEDAIWNL LRQAQEKFGK DKSPKFQLFG SPSGQKDLLF KDSAIGFSRV PPRIDSGLYL GSGYFTAIQN LRKSEEEVAA RRARVWCAV GEQELRKCNQ WSGLSEGSVT CSSASTTEDC
Source	Human breast milk.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	LTF protein filtered (0.4µm) and lyophilized in 0.5 mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
Application	
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
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**