

## Recombinant Human Lactoferrin Protein

Catalog #	Source	Reactivity	Applications
CRP2763	Human cells	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human Lactoferrin Protein is produced by mammalian expression system and the target gene encoding Gly20-Lys710 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.
<b>Gene Symbol</b>	LTF
<b>Alternative Names</b>	GIG12; LF; Lactotransferrin; Lactoferrin; Growth-inhibiting protein 12; Talalactoferrin
<b>Entrez Gene</b>	4057 (Human)
<b>SwissProt</b>	P02788 (Human)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	GSRRRSVQWC AVSQPEATKC FQWQRNMRKV RGPPVSCIQR DSPIQCIQAI AENRADA VTL DGGFIYEAGL APYKLRPVAA EVYGTERQPR THYYAVAVVK KGGSFQLNEL QGLKSCHTGL RRTAGWNVPI GTLRPFLNWT GPPEPIEAAV ARFFSASCVP GADKGQFPNL CRLCAGTGEN KCAFSSQEPY FSYSGAFKCL RDGAGDVAFI RESTVFEDLS DEADERDEYEL LCPDNTRKPV DKFKDCHLAR VPSHAVVARS VNGKEDAIWN LLRQAQEKFG KDKSPKFQLF GSPSGQKDLL FKDSAIGFSR VPPRIDSGLY LGSFYFTAIQ NLRKSEEEVA ARRARVVWCA VGEQELRKCN QWSGLSEGSV TCSSASTTED CIALVLKGEA DAMSLDGGYV YTAGKCGLVP VLAENYKSQQ SSDPDPCVD RPVEGYLTVA VVRRSDTSLT WNSVKGKKSC HTAVDRTAGW NIPMGLLFNQ TGSCKFDEYF SQSCAPGSDP RSNLCALCIG DEQGENKCEP NSNERYYGYT GAFRCLAENA GDVAFVKDVT VLQNTDGNNN EAWAKDLKLA DFALLCLDGK RKPVTEARSC HLAMAPNHAV VSRMDKVERL KQVLLHQQAK FGRNGSDCPD KFCLFQSETK NLLFNDNTEC LARLHGKTTY EKYLGPQYVA GITNLKCKST SPLLEACEFL RKVDHHHHHH

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage/Stability</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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