

## Product datasheet

# Recombinant Human Lactoferrin protein (Tagged) ab158834

[1 Image](#)

### Description

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**Product name** Recombinant Human Lactoferrin protein (Tagged)

**Expression system** Wheat germ

**Accession** **P02788**

**Protein length** Full length protein

**Animal free** No

**Nature** Recombinant

**Species** Human

**Sequence**

```
MKLVFLVLLFLGALGLCLAGRRRRSVQWCAVSQPEATKC
FQWQRNMRKVC
GPPVSCIKRDSPIQCIQAIENRADAVTLDGGFIYEAGLAPY
KLRPVAAE
VYGTERQPRTHYYAVAVVKKGGSFQLNELQGLKSCHTGR
RRTAGWNVPIG
TLRPFLNWTGPPEPIEA AVARFFSASCVPGADKGQFPNL
CRLCAGTGENK
CAFSSQEPYFSYSGAFKCLRDGAGDVAFIRESTVFEDLS
DEAERDEYELL
CPDNTRKPVDFKDKCHLARVPSHAVVARSVNGKEDAW
NLLRQAQEKFGK
DKSPKFQLFGSPSGQKDLLFKDSAIGFSRVPPRIDSGLYL
GSGYFTAIQN
LRKSEEEVAARRARVVWCAVGEQELRKCQWWSGLSEG
SVTCSSASTTEDC
IALVLKGEADAMSLDGGVYTAGKCGLVPVLAENYKSQQ
SSDPDPNCVDR
PVEGYLAVAVVRRSDTSLTWNSVKGKKSCHTAVDRTAG
WNIPMGLLFNQT
GSCKFDEYFSQSCAPGSDPRS NL CALCIGDEQGENKCV
PNSNERYYGYTG
AFRCLAENAGDVAFVKDVTVLQNTDGNNEAWAKDLKL
ADFALLCLDGKR
KPVTEARSCHLAMAPNHAVVSRMDKVERLKQVLLHQQA
KFRNGSDCPDK
```

FCLFQSETKNLLFNDNTECLARLHGKTTYEKYLGYPQVAGI  
TNLKKCSTS PLLEACEFLRK

<b>Predicted molecular weight</b>	105 kDa including tags
<b>Amino acids</b>	1 to 711
<b>Tags</b>	GST tag N-Terminus

## Specifications

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Our **Abpromise guarantee** covers the use of **ab158834** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	Lot concentration between 0.1-0.4 ug/ul. Please contact our Scientific Support to get the concentration of the lot

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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## General Info

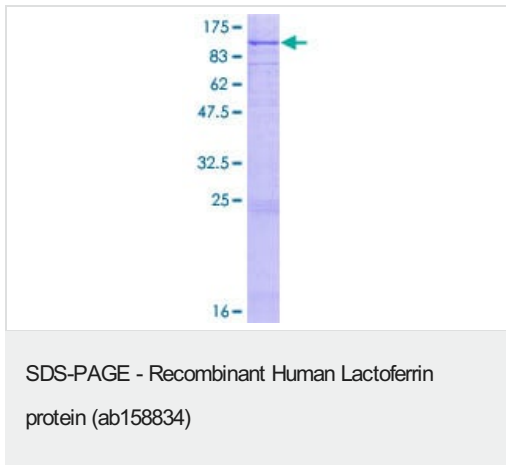
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<b>Function</b>	Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. Lactotransferrin has antimicrobial activity which depends on the extracellular cation concentration. Lactoferrins A, B and C have opioid antagonist activity. Lactoferrin A shows preference for mu-receptors, while lactoferrin B and C have somewhat higher degrees of preference for kappa-receptors than for mu-receptors. The lactotransferrin transferrin-like domain 1 functions as a serine protease of the peptidase S60 family that cuts arginine rich regions. This function contributes to the antimicrobial activity.
<b>Sequence similarities</b>	Belongs to the transferrin family. Contains 2 transferrin-like domains.
<b>Cellular localization</b>	Secreted.

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## Images

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ab158834 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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