

PRODUCT DATA SHEET

Lactoferrin NATIVE, Human Breast Milk

Cat. No.: RD1663441000

Size: 1 mg

Source: Human breast milk

Type: Native protein

Species: Human

Other Names:

Lactotransferrin, Talactoferrin, LTF, GIG12, HEL110, HLF2, LF, Lactotransferrin, rowth inhibiting protein 12

Description:

Native protein isolated from Human Breast Milk, 691 AA, MW 76,165 kDa (calculated without glycosylation). Protein identity confirmed by MS (NCBI no. gi|119585171).

Amino Acid Sequence:

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GRRRSVQWCA VSQPEATKCF QWQRNMRKVR GPPVSCIKRD SPIQCIQAIA ENRADAVTLD
GGFIYEAGLA PYKLRPVAEE VYGTERQPRT HYYAVAVVKK GGSFQLNELQ GLKSCHTGLR
RTAGWNVPIG TLRPFLNWTG PPEPIEAAVA RFFSASCVPG ADKGQFPNLC RLCAGTGENK
CAFSSQEPYF SYSGAFKCLR DGAGDVAFIR ESTVFEDLSD EAERDEYELL CPDNTRKPVD
KFKDCHLARV PSHAVVARSV NGKEDAIWNL LRQAQEKFGK DKSPKFQLFG SP SGQKDLLF
KDSAIGFSRV PPRIDSGLYL GSGYFTAIQN LRKSEEEVAA RRARVVWCAV GEQELRKCNO
WSGLSEGSVT CSSASTTEDC IALVLKGEAD AMSLDGGYVY TAGKCGLVPV LAENYKSQQS
SDPDPNCVDR PVEGYLAVAV VRRSDTSLTW NSVKGKKSCH TAVDRTAGWN IPMGLLFNQT
GSCKFDEYF'S QSCAPGSDPR SNLCALCIGD EQGENKCVPN SNERYYG YTG AFRCLAENAG
DVAFVKDVTIV LQNTDGNNE AWAKDLKLAD FALLCLDGKR KPVTEARSCH LAMAPNHAVV
SRMDKVERLK QVLLHQQAKF GRNGSDCPDK FCLFQSETKN LLFNDNTECL ARLHGKTTYE
KYLGPQYVAG ITNLKKCSTS PLLEACEFLR K
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Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 1 mg/ml solution in phosphate buffered saline pH 7.4

Reconstitution:

Add deionized water to prepare a working stock solution of approximately 1.0 mg/mL and let the lyophilized pellet dissolve completely.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

Quality Control:

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:

ELISA, Immunological methods, Western blotting

Note:

This product is intended for research use only.