

Product datasheet for **TP303140M**

Lactoferrin (LTF) (NM_002343) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human lactotransferrin (LTF), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC203140 representing NM_002343 Red=Cloning site Green=Tags(s) |

MKLVFLVLLFLGALGLCLAGRRRRSVQWCAVSQPEATKCFQWQRNMRKVRGPPVSCIKRDSPIQCIQAI
ENRADAVTLDDGGFIYEAGLAPYKLRPVAAEVYGTERRQPRTHYYAVAVWKKGGSFQLNELQGLKSCHTGLR
RTAGWNVPIGTLRPFLNWTGPPEPIEAAVARFFSASCVPGADKQFPNLCRLCAGTGENKCAFSSQEPYF
SYSGAFKCLRDGAGDVAFIRESTVFEDLSDEAERDEYELLCPDNTRKPVDFKDKCHLARVPSHAVVARSV
NGKEDAIWNLLRQAQEKFGKDKSPKFQLFGSPSGQKDLLFKDSAIGFSRVPPIRDSGLYLGSYFTAIQN
LRKSEEEVAARRARVWCAVGEQELRKCQWVSLSEGSVTCCSASTTEDICIALVLKGEADAMSLDGGYVY
TAGKCGLVPVLAENYKSQQSSDPDPCVDRPVEGYLAVAVVRRSDTSLTWNSVKGKKSCHTAVDRTAGWN
IPMGLLNFQGTGSCKFDEYFSQSCAPGSDPRSNLALCALCIGDEQGENKCEPNSNERYYGYTGAFRCLAENAG
DVAFVKDVTVLQNTDGNNEAWAKDLKDLADLCLDGRKRPVTEARSCHLAMAPNHAVSRMDKVERLK
QVLLHQAKFGRNGSDCPDKFCLFQSETKNLLFNDNTECLARLHGKTTYEKYLGPOQYVAGITNLKCKSTS
PLLEACEFLRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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| Tag: | C-Myc/DDK |
| Predicted MW: | 76.1 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |



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| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_002334 |
| Locus ID: | 4057 |
| UniProt ID: | P02788 , V9HWI4 |
| RefSeq Size: | 2390 |
| Cytogenetics: | 3p21.31 |
| RefSeq ORF: | 2133 |
| Synonyms: | GIG12; HEL110; HLF2; LF |
| Summary: | This gene is a member of the transferrin family of genes and its protein product is found in the secondary granules of neutrophils. The protein is a major iron-binding protein in milk and body secretions with an antimicrobial activity, making it an important component of the non-specific immune system. The protein demonstrates a broad spectrum of properties, including regulation of iron homeostasis, host defense against a broad range of microbial infections, anti-inflammatory activity, regulation of cellular growth and differentiation and protection against cancer development and metastasis. Antimicrobial, antiviral, antifungal and antiparasitic activity has been found for this protein and its peptides. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014] |
| Protein Families: | Druggable Genome, Protease, Secreted Protein |

Product images:



Coomassie blue staining of purified LTF protein (Cat# [TP303140]). The protein was produced from HEK293T cells transfected with LTF cDNA clone (Cat# [RC203140]) using MegaTran 2.0 (Cat# [TT210002]).