

Product datasheet for PH303140

Lactoferrin (LTF) (NM_002343) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LTF MS Standard C13 and N15-labeled recombinant protein (NP_002334)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203140
Predicted MW:	78.37 kDa
Protein Sequence:	>RC203140 representing NM_002343 Red=Cloning site Green=Tags(s)

MKLVFLVLLFLGALGLCLAGRRRRSVQWCAVSQPEATKCFQWQRNMRKVRGPPVSCIKRDSPIQCIQAI
ENRADAVTLDDGGFIYEAGLAPYKLRPVAAEVYGTERRPRTHYYAVAVVKKGGSFQLNELQGLKSCHTGLR
RTAGWNVPIGTLRPFLNWTGPPEPIEAARFFSASCVPADKGFQPNLCRLCAGTGENKCAFSSQEPYF
SYSGAFKCLRDGAGDVAFIGESTVFEDLSDEAERDEYELLCPDNTRKPVDFKFDCHLARVP SHAVVARSV
NGKEDAIWNLLRQAQEFKDKSPKFQLFGSPSGQKDLLFKDSAIGFSRVPPRIDSLYLGSYFTAIQN
LRKSEEEVAARRARVVWCAVGEQELRKCQWSGLSEGSVTCSSASTTEDCIALVLKGEADAMSLDGGYVY
TAGKCGLVPVLAENYKSQSSDPDPNCVDRPVEGYLAVAVVRRSDTSLTWNSVKGKKSCHTAVDRTAGWN
IPMGLLFNQTSCKFDEYFSQSCAPGSDPPRNLCALCIGDEQGENKCEPNSNERYGYTGAFRCLAENAG
DVAFVKDVTVLQNTDGNNEAWAKDLKLDLADLALLCLDGRKPVTEARSCHLAMAPNHAVVSRMDKVERLK
QVLLHQQAKFGRNGSDCPDKFCLFQSETKNLLFNDNTECLARLHGKTTYEKYLGQYVAGITNLKKCSTS
PLLEACEFLRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002334



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RefSeq Size:	2390
RefSeq ORF:	2133
Synonyms:	GIG12; HEL110; HLF2; LF
Locus ID:	4057
UniProt ID:	P02788 , V9HWI4
Cytogenetics:	3p21.31

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]).