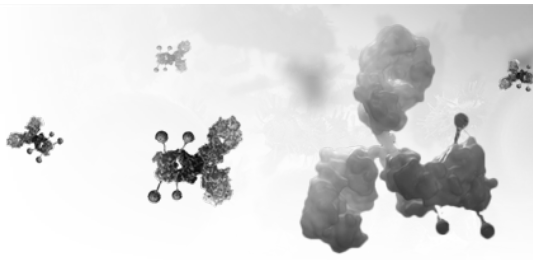

Human LTF peptide (DAG-P0765)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the transferrin family.Contains 2 transferrin-like domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	LTF lactotransferrin [Homo sapiens (human)]
Official Symbol	LTF
Synonyms	LTF; lactotransferrin; LF; HLF2; GIG12; HEL110; talalactoferrin; neutrophil lactoferrin; growth-inhibiting protein 12; epididymis luminal protein 110;

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Entrez Gene ID	4057
mRNA Refseq	NM_001199149.1
Protein Refseq	NP_001186078.1
UniProt ID	P02788
Chromosome Location	3p21.31
Pathway	Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; Latent infection of Homo sapiens with Mycobacterium tuberculosis, organism-specific biosystem; Mtb iron assimilation by chelation, organism-specific biosystem; Phagosomal maturation (early endosomal stage), organism-specific biosystem; Response of Mtb to phagocytosis, organism-specific biosystem;
Function	DNA binding; ferric iron binding; heparin binding; iron ion binding; protein binding; protein serine/threonine kinase activator activity; serine-type endopeptidase activity;

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