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Datasheet for ABIN7318710 Lactoferrin Protein (His tag)

Overview

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| Quantity: | 50 µg |
| Target: | Lactoferrin (LTF) |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Lactoferrin protein is labelled with His tag. |

Product Details

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|------------------|---|
| Purpose: | Recombinant Human Lactotransferrin/LTF Protein (His Tag) |
| Sequence: | Gly20-Lys710 |
| Characteristics: | Recombinant Human Lactotransferrin/LTF is produced by our Mammalian expression system and the target gene encoding Gly20-Lys710 is expressed with a 6His tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

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| Target: | Lactoferrin (LTF) |
| Alternative Name: | Lactotransferrin/LTF (LTF Products) |
| Background: | Background: Lactotransferrin is a member of the transferrin family that transfer iron to the cells and control the level of free iron in the blood and external secretions. Lactotransferrin is a secreted protein and contains two transferrin-like domains. Lactotransferrin can be cleaved into |

Target Details

the following four chains: Kaliocin-1, Lactoferroxin-A, Lactoferroxin-B, and Lactoferroxin-C. Lactoferroxin A, Lactoferroxin B, and Lactoferroxin C have opioid antagonist activity. Lactoferroxin A shows preference for mu-receptors, while Lactoferroxin B and Lactoferroxin C have somewhat higher degrees of preference for kappa-receptors than for mu-receptors. LTF has antimicrobial activity (bactericide, fungicide) and is part of the innate defense, mainly at mucoses.

Synonym: Lactotransferrin, Lactoferrin, Talalactoferrin, Kaliocin-1, Lactoferroxin-A, Lactoferroxin-B, Lactoferroxin-C, LTF, LF,GIG12,HEL110,HLF2

Molecular Weight: 77.3 kDa

UniProt: [P02788](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.