

# Native Human Neutrophil Lactoferrin

**Cat. No.** LTF-8194H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human Neutrophil Lactoferrin was purified from Human Neutrophils.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Human Neutrophil                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | Human Lactoferrin (hLF) is an iron-binding glycoprotein that facilitates the production of hydroxyl radicals and chelates iron, preventing its accessibility to microorganisms and thus inhibiting growth. Human Lactoferrin is found in secondary granules in polymorphonuclear neutrophils. Human Lactoferrin from human neutrophil(s) lacks terminal fucose residues in the glycan chains that are required for binding to macrophages. |
| <b>Form</b>             | Liquid in 0.05M Sodium Acetate, pH 6.0, 0.15 NaCl                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 77 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | >96% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Stability</b>        | 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | 2-8°C                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>    | Typically >1.0 mg/mL by Lowry                                                                                                                                                                                                                                                                                                                                                                                                              |

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## GENE INFORMATION

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | LTF lactotransferrin [ Homo sapiens ]                                                                                             |
| <b>Official Symbol</b>     | LTF                                                                                                                               |
| <b>Synonyms</b>            | LTF; lactotransferrin; HLF2; talalactoferrin; neutrophil lactoferrin; growth-inhibiting protein 12; LF; GIG12;                    |
| <b>Gene ID</b>             | 4057                                                                                                                              |
| <b>mRNA Refseq</b>         | NM_001199149                                                                                                                      |
| <b>Protein Refseq</b>      | NP_001186078                                                                                                                      |
| <b>MIM</b>                 | 150210                                                                                                                            |
| <b>UniProt ID</b>          | P02788                                                                                                                            |
| <b>Chromosome Location</b> | 3p21.31                                                                                                                           |
| <b>Pathway</b>             | Amyloids, organism-specific biosystem; Disease, organism-specific biosystem;                                                      |
| <b>Function</b>            | ferric iron binding; heparin binding; metal ion binding; peptidase activity; protein binding; serine-type endopeptidase activity; |

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