

## Native Human FTL

**Cat. No.** FTL-26944TH    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Full length native mature Ferritin protein purified from Human spleen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes the light subunit of the ferritin protein. Ferritin is the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage buffer</b>   | Preservative: None<br>Constituents: Sodium chloride, pH 7.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at +4°C. Do not freeze.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Full Length</b>      | Full L.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### GENE INFORMATION

|                  |                                                  |
|------------------|--------------------------------------------------|
| <b>Gene Name</b> | FTL ferritin, light polypeptide [ Homo sapiens ] |
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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | <a href="#">FTL</a>                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>            | FTL; ferritin, light polypeptide; ferritin light chain; ferritin L subunit; ferritin L chain; ferritin light polypeptide like 3; L apoferritin; MGC71996;                                                                                                                     |
| <b>Gene ID</b>             | <a href="#">2512</a>                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>         | <a href="#">NM_000146</a>                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>      | <a href="#">NP_000137</a>                                                                                                                                                                                                                                                     |
| <b>MIM</b>                 | <a href="#">134790</a>                                                                                                                                                                                                                                                        |
| <b>Uniprot ID</b>          | <a href="#">P02792</a>                                                                                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 19q13.33                                                                                                                                                                                                                                                                      |
| <b>Pathway</b>             | Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; |
| <b>Function</b>            | binding; ferric iron binding; identical protein binding; iron ion binding; oxidoreductase activity;                                                                                                                                                                           |