

## Product datasheet for **TP303296**

### Ferritin Light Chain (FTL) (NM\_000146) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human ferritin, light polypeptide (FTL), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC203296 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSSQIRQNYSTDVEAAVNSLVNLYLQASYTYLSLGFYFDRDDVALEGVSHFFRELAEEKREGYERLLKMQ  
NQRGGRALFQDIKKPAEDEWGKTPDAMKAAMALEKKLNQALLDLHALGSARTDPHLCDFLETHFLDDEVK  
LIKKMGDHLTNLHRLGGPEAGLGEYLFERLTLKHD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 19.8 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_000137](#)

**Locus ID:** 2512

**UniProt ID:** [P02792](#), [A0A384MDR3](#)

**RefSeq Size:** 889



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Cytogenetics: 19q13.33

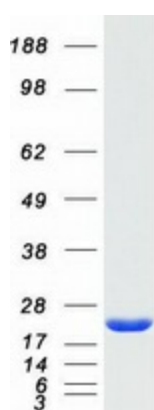
RefSeq ORF: 525

Synonyms: LFTD; NBIA3

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified FTL protein (Cat# TP303296). The protein was produced from HEK293T cells transfected with FTL cDNA clone (Cat# [RC203296]) using MegaTran 2.0 (Cat# [TT210002]).