

# Recombinant human FTL protein

Catalog Number: FTL0801

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-175aa

### UniProt No.

P02792

### NCBI Accession No.

NP\_000137.2

### Alternative Names

Ferritin light polypeptide 1, Ferritin L subunit, Ferritin, light polypeptide 1, FTL, Ferritin, light polypeptide 1 Ferritin H subunit, Ferritin heavy chain like, Ferritin heavy polypeptide 1, Ferritin light chain like, Ferritin light polypeptide, Ferritin, heavy polypeptide, FTH, FTH1, FTL protein.

## PRODUCT SPECIFICATION

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### Molecular Weight

20kDa (175aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5)

### Purity

> 90% by SDS-PAGE

### Tag

Non-Tagged

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Ferritin is a large, iron-storage heteropolymeric protein composed of two subunit types, light (FTL) and heavy (FTH1) polypeptides, which is expressed in most kinds of cells and co-assemble in different proportion in a tissue-specific manner. Ferritin is composed of 24 self-assembled polypeptide subunits and is characterized by the capacity to remove Fe (II) from solution in the presence of oxygen. Recombinant human FTL was expressed in E.

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coli and purified by conventional chromatography techniques.

## Amino acid Sequence

MSSQIRQNYSDVVEAAVNSLVNLYLQASYTYLSLGFYFDRDDVALEGVSHFFRELAEEKREGYERLLKMQNQRGGRALFQ  
DIKKPAEDEVGKTPDAMKAA MALEKKNQA LLDLHALGSA RTDPHLCDFLETHFLDEEVK LIKKMGDHLT NLHRLGGPEA  
GLGEYLFERL TLKHD

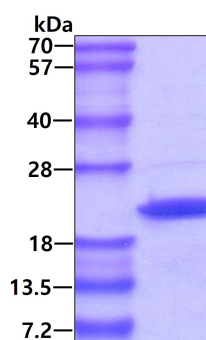
## General References

Baraibar MA., et al. (2008) J. Biol. Chem, 283(46), 31679-89.

Santambrogio P., et al. (2000) Protein. Expr. Purif, 19(1), 212-8

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.