

Recombinant human FTL protein

Catalog Number: FTL0801

PRODUCT INFORMATION

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

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

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

MSSQIRQNYIS TDVEAAVNSL VNLYLQASYT YLSLGFYFDR DDVALEGVSH FFRELAEEKR EGYERLLKMQ NQRGGRALFQ
DIKKPAEDEW GKTPDAMKAA MALEKKNQA LLDLHALGSA RTDPHLCDFL ETHFLDEEVK LIKKMGDHLT NLHRLGGPEA
GLGEYLFERL TLKHD

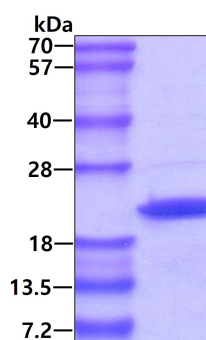
General References

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.