

Recombinant human Ferritin heavy chain 1/FTH1 protein

Catalog Number: FTH0901

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-183aa

UniProt No.

P02794

NCBI Accession No.

NP_002023.2

Alternative Names

Ferritin heavy chain, Ferritin H subunit, Ferritin, Heavy polypeptide 1, Cell proliferation-inducing gene 15 protein, N-terminally processed, FTH, FTHL6, PIG15, PLIF, FHC, Apoferritin, Placenta immunoregulatory factor

PRODUCT SPECIFICATION

Molecular Weight

21 kDa (183aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing, 10% glycerol, 1mM DTT

Purity

> 95% 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, heavy polypeptide 1 (FTH1) is a ubiquitous protein which plays a major role in iron sequestration, detoxification and storage. FTH1 is found in all living species. FTH1 encodes the heavy subunit of ferritin, the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Recombinant FTH1 protein was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MTTASTSQVR QNYHQDSEAA INRQINLELY ASYVYLSMSY YFDRDDVALK NFAKYFLHQS HEEREHAEKL MKLQNQRGGR
IFLQDIKKPD CDDWESGLNA MECALHLEKN VNQSLLELHK LATDKNDPHL CDFIETHYLN EQVKAIKELG DHVTNLRKMG
APESGLAEYL FDKHTLGDSN NES

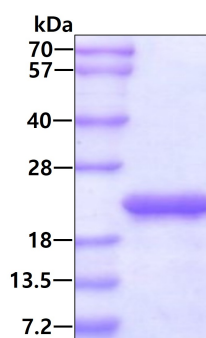
General References

Percy ME., et al. (1998).Analyst. 123(1):41-50

Levens E., et al. (2005).Mol Hum Reprod. 11(7):489-94

DATA

SDS-PAGE



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