

Recombinant Human FTH1 protein, His & T7-tagged

Cat. No. FTH1-8237H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FTH1 aa. (Met1~Ser183 (Accession # P02794)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ser183
Description	This gene 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. 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 ferritin proteins are associated with several neurodegenerative diseases. This gene has multiple pseudogenes. Several alternatively spliced transcript variants have been observed, but their biological validity has not been determined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	FTH1 ferritin heavy chain 1 [Homo sapiens (human)]
Official Symbol	FTH1
Synonyms	FTH1; ferritin heavy chain 1; FHC; FTH; HFE5; PLIF; FTHL6; PIG15; ferritin heavy chain; apoferritin; cell proliferation-inducing gene 15 protein; ferritin H subunit; ferritin, heavy polypeptide 1; placenta immunoregulatory factor; proliferation-inducing protein 15
Gene ID	2495

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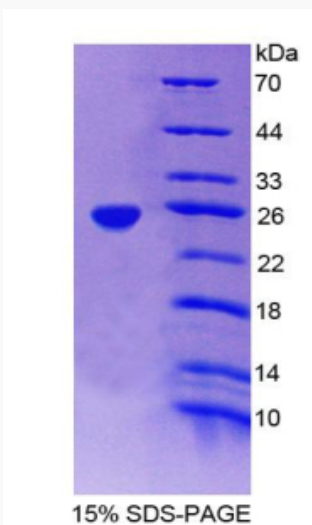
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mRNA Refseq [NM_002032.2](#)

Protein Refseq [NP_002023.2](#)

UniProt ID [P02794](#)

SDS-PAGE



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