

# Native Human FTH1

**Cat. No.** FTH1-28155TH **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Full length native Human Ferritin from Human spleen. MWt 450kDa consisting of 24 subunits, light chain 199 kDa, heavy chain 210 kDa. Amino acids 174 , 183.
<b>Species</b>	Human
<b>Description</b>	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.
<b>Molecular Weight</b>	450.000kDa
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: 0.15M Sodium chloride, 0.05M PBS, pH 7.5
<b>Storage</b>	Store at +4°C.
<b>Sequence Similarities</b>	Belongs to the ferritin family. Contains 1 ferritin-like diiron domain.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Full Length**

Full L.

## GENE INFORMATION

**Gene Name**

FTH1 ferritin, heavy polypeptide 1 [ Homo sapiens ]

**Official Symbol**

FTH1

**Synonyms**

FTH1; ferritin, heavy polypeptide 1; FTHL6; ferritin heavy chain; apoferritin; FHC; FTH; PIG15; placenta immunoregulatory factor; PLIF; proliferation inducing protein 15;

**Gene ID**

2495

**mRNA Refseq**

NM\_002032

**Protein Refseq**

NP\_002023

**Uniprot ID**

P02794

**Chromosome Location**

11q13

**Pathway**

Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem;

**Function**

ferric iron binding; ferroxidase activity; iron ion binding; oxidoreductase activity; protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA