Native Human FTH1

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

SPECIFICATION

Product Overview	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.
Species	Human
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.
Molecular Weight	450.000kDa
Form	Liquid
Storage buffer	Preservative: 0.09% Sodium AzideConstituents: 0.15M Sodium chloride, 0.05M PBS, pH 7.5
Storage	Store at +4°C.
Sequence Similarities	Belongs to the ferritin family.Contains 1 ferritin-like diiron domain.

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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;

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