

FTLH1, FTL Native Human Ferritin Spleen

Catalog No.	CSI14792A CSI14792B	Quantity:	1 mg 10 mg
Alternate Names:	apoferritin, ferritin H subunit, ferritin heavy chain, FHC, FTH, PLIF, FTHL6, PIG15, FTH1, ferritin L subunit, ferritin L-chain, ferritin light chain, FTL, NBIA3		
Description:	<p>Ferritin is a 450 kDa globular protein complex consisting of 24 subunits that is present in every cell type and is the primary intracellular iron-storage protein. Ferritin is responsible for keeping iron in a soluble and non-toxic form. In vertebrates, these subunits are both the light (L) and the heavy (H) type with an apparent molecular weight of 19 kDa or 21 kDa respectively. Defects in ferritin proteins are associated with several neurodegenerative diseases.</p> <p>Human Ferritin is a globular protein found mainly in the liver, which can store about 4500 iron ions in a hollow shell made of 24 identical subunits. Inside the human ferritin shell, iron ions form crystallites together with phosphate and hydroxide ions.</p> <p>Human Serum ferritin levels are measured in patients as part of the iron studies workup for anemia and for restless leg syndrome. Human ferritin levels have a direct correlation with the total amount of iron stored in the body. Human Ferritin level(s) are also indicative of the erosion of iron stores during pregnancy.</p> <p>Human Serum Ferritin research reports that individuals with true iron-deficiency anemia exhibit extremely low human serum ferritin values. Additional human ferritin research reports that human serum ferritin measurement is sero-diagnosis of cancer whereby high levels of human serum ferritin which are not related to body-iron stores have been observed.</p>		
Gene ID:	2495, 2512		
Source:	Human Spleen		
Molecular Weight:	440 kDa		
Formulation:	NaCl buffer, pH 7.5, + 0.1% Methylisothiazolone + 0.1% Bromonitrodioxane		
Purity:	>96% by electrophoresis		
Endotoxin Level:	< 0.1 ng/μg of protein.		
Biological Activity:	> 1.0 mg/ml		
Storage & Stability:	Store at 2-4°C. Stable for 2 years.		

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