

Native Human Ferritin, Light Polypeptide

Cat. No. FTL-673H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human FTL is prepared from Human Liver.
Species	Human
Source	Human Liver
Description	Human FTL 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 FTL shell, iron ions form crystallites together with phosphate and hydroxide ions. Human Serum FTL levels are measured in patients as part of the iron studies workup for anemia and for restless leg syndrome. Human FTL levels have a direct correlation with the total amount of iron stored in the body. Human FTL level(s) are also indicative of the erosion of iron stores during pregnancy.
Form	Sodium chloride buffer, pH 7.5.
Molecular Weight	440 kDa
Purity	> 98%
Concentration	> 1.0 mg/ml
Biological Activity	> 1.0 mg/ml
Storage	Store at 2-4°C. Stable for 2 years from delivery. Avoid repeated freeze-thaw cycles.

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Pathways Clathrin derived vesicle budding; GolgiAssociated Vesicle Biogenesis; Membrane Trafficking; Mineral absorption;Porphyrin and chlorophyll metabolism; trans-Golgi Network Vesicle Budding

GENE INFORMATION

Gene Name	FTL ferritin, light polypeptide[Homo sapiens]
Official Symbol	FTL
Synonyms	FTL; ferritin, lightpolypeptide; NBIA3; MGC71996; ferritin, light polypeptide; ferritin Lsubunit; ferritin L-chain; ferritin light chain; ferritin lightpolypeptide-like 3
Gene ID	2512
mRNA Refseq	NM_000146
Protein Refseq	NP_000137
MIM	134790
UniProt ID	P02792
Chromosome Location	19q13.3-q13.4
Function	binding;ferric iron binding; identical protein binding; iron ion binding;oxidoreductase activity

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