

Recombinant Human FTL protein

Cat. No. FTL-28154TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FTL(1-175aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-175 a.a.
Description	Ferritin is a large, iron-storage heteropolymeric protein composed of two subunit types, light (FTL) and heavy (FTH1) polypeptides, which is expressed in most kinds of cells and co-assemble in different proportion in a tissue-specific manner. Ferritin is composed of 24 self-assembled polypeptide subunits and is characterized by the capacity to remove Fe (II) from solution in the presence of oxygen.
Form	Liquid in 20 mM Tris-HCl (pH 7.5)
Molecular Mass	20kDa (175aa)
Purity	> 90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

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GENE INFORMATION

Gene Name	FTL ferritin, light polypeptide [Homo sapiens]
Official Symbol	FTL
Synonyms	FTL; ferritin, light polypeptide; ferritin light chain; ferritin L subunit; ferritin L chain; ferritin light polypeptide like 3; L apoferritin; MGC71996; ferritin L-chain; ferritin light polypeptide-like 3; NBIA3;
Gene ID	2512
mRNA Refseq	NM_000146
Protein Refseq	NP_000137
MIM	134790
UniProt ID	P02792
Chromosome Location	19q13.33
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; Porphyrin and chlorophyll metabolism, organism-specific biosystem;
Function	ferric iron binding; ferroxidase activity; identical protein binding; iron ion binding; oxidoreductase activity;

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