

Ferritin Light Chain Recombinant Protein | FTL recombinant protein

Recombinant Human Ferritin Light Chain

CATALOG #
AAA38630

HOST
E Coli

PRODUCT SYNONYMS

Ferritin Light Chain; Recombinant Human Ferritin Light Chain; Ferritin; FTL; MGC71996; Ferritin light chain.; FTL recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	The protein solution (1mg/ml) contains 20mM Tris-HCl pH-7.5. Sterile Filtered solution.
Sequence	MSSQIRQNYSDVEAAVNSLVNLYLQASYTYLSLGFYFDRDDVALEGVSHFFRELAEKKREGYERLLKMQ NQRGGRALFQDIKKPAEDEVGKTPDAMKAA MALEKKLNQA LLDLHALGSA RTDPHLCDFLETHFLDEEVK LIKMGDHLTLNHLRGPEA GLGEYLFERL TLKHD
Sequence Length	175
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for FTL recombinant protein	Description: Ferritin Human Recombinant Light Chain produced in E Coli is a single, non-glycosylated polypeptide chain containing 175 amino acids and having a molecular mass of 20 kDa. Introduction: Ferritin is a fairly large, iron-storage heteropolymeric protein composed of 2 subunit types, light Ferritin & heavy Ferritin 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 of the heavy and light ferritin chains and is characterized by the capacity to remove Fe from solution in the presence of oxygen. Ferritin light polypeptide protein is the main intracellular iron storage protein in prokaryotes and eukaryotes. Variation in ferritin subunit composition influence the rates of iron uptake and release in various tissues. A key function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-hemochromatosis syndrome. Ferritin stores iron in a soluble, nontoxic, readily accessible form. Ferritin is needed for iron homeostasis. Iron is taken up in the ferrous form and deposited as ferric hydroxides after it has been oxidized.
Product Categories/Family for FTL recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Ferritin

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149498
NCBI GeneID	2512
NCBI Accession #	NP_000137.2
NCBI GenBank Nucleotide #	NM_000146.3

UniProt Accession #	P02792 ; Q6IBT7 ; Q7Z2W1 ; Q86WI9 ; Q8WU07 ; Q96AU9 ; Q96CU0 ; Q9BTZ8 ; B2R4B9
Molecular Weight	20,020 Da
NCBI Official Full Name	ferritin light chain
NCBI Official Synonym Full Names	ferritin, light polypeptide
NCBI Official Symbol	FTL
NCBI Official Synonym Symbols	LFTD; NBIA3
NCBI Protein Information	ferritin light chain; ferritin L subunit; ferritin L-chain; ferritin light polypeptide-like 3
UniProt Protein Name	Ferritin light chain
UniProt Gene Name	FTL
UniProt Synonym Gene Names	Ferritin L subunit
UniProt Entry Name	FRIL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ftl-recombinant-protein-e-coli/38630>