

Recombinant Human FTH1 Protein, R-PE labeled

Cat. No. FTH1-528H-PE **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	E.coli
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.
Form	Liquid
AA Sequence	MTTASTSQVRQNYHQDSEAAINRQINLELYASYVYLSMSYYFDRDDVALKNFAKYFL HQSHEEREHA EKLMKLQNQRGGRIFLQDIKKPCDDWESGLNAMECALHLEKNVN QSLLELHKLATDKNDPHLCDFIETHYLNEQVKAIKELGDHVTNLRKMGAPESGLAEYL FDKHTLGDS DNES.
Purity	> 95 % by SDS-PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot

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and store at -20 or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/mL (determined by Bradford assay).

Storage Buffer PBS buffer

Conjugation R-PE

GENE INFORMATION

Gene Name [FTH1 ferritin heavy chain 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [FTH1](#)

Synonyms FTH1; ferritin heavy chain 1; FHC; FTH; HFE5; PLIF; FTHL6; PIG15; ferritin heavy chain; H-ferritin; apoferritin; cell proliferation-inducing gene 15 protein; ferritin H subunit; ferritin, heavy polypeptide 1; placenta immunoregulatory factor; proliferation-inducing protein 15; EC 1.16.3.1

Gene ID [2495](#)

mRNA Refseq [NM_002032](#)

Protein Refseq [NP_002023](#)

MIM [134770](#)

UniProt ID [P02794](#)

PDB rendering
based on 1fha.

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