

Recombinant Full Length Human FTH1 Protein, C-Flag-tagged

Cat. No. FTH1-410HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FTH1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	21 kDa
AA Sequence	MTTASTSQVRQNYHQDSEAAINRQINLELYASYVYLSMSYYFDRDDVALKNFAKYFL HQSHEEREHA EKL MKLQNQRGGRIFLQDIKKPDCDDWESGLNAMECALHLEKNVN QSLLELHKLATDKNDPHLCDFIETHYLN EQVKAIKELGDHVTNLRKMGAPESGLAEYLFDKHTLGDSDNESTRTRPLEQKLISEE DLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Porphyrin and chlorophyll metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	FTH1 ferritin heavy chain 1 [Homo sapiens (human)]
Official Symbol	FTH1
Synonyms	FHC; FTH; HFE5; PLIF; FTHL6; PIG15
Gene ID	2495
mRNA Refseq	NM_002032.3
Protein Refseq	NP_002023.2

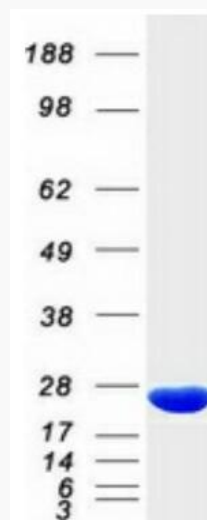
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MIM 134770

UniProt ID P02794



Coomassie blue staining of purified FTH1 protein.

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