

Recombinant Full Length Human FTH1 Protein, GST-tagged

Cat. No. FTH1-5121HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FTH1 full-length ORF (AAH11359, 1 a.a. - 183 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	183 amino acids
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. [provided by RefSeq]
Molecular Mass	45.87 kDa
AA Sequence	MTTASTSQVRQNYHQDSEAAINRQINQELYASYVYLSMSYYFDRDDVALKNFAKYFL HQSHEEREHA EKLMKLQNQRGGRIFLQDIKKPCDDWESGLNAMECALHLEKNVN QSLLELHKLATDKNDPHLCDFIETHYLNEQVKAIKELGDHVTNLRKMGAPESGLAEYL FDKHTLGSDSDNES

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	FTH1 ferritin, heavy polypeptide 1 [Homo sapiens]
Official Symbol	FTH1
Synonyms	FTH1; ferritin, heavy polypeptide 1; FTHL6; ferritin heavy chain; apoferritin; FHC; FTH; PIG15; placenta immunoregulatory factor; PLIF; proliferation inducing protein 15; ferritin H subunit; proliferation-inducing protein 15; cell proliferation-inducing gene 15 protein; MGC104426;
Gene ID	2495
mRNA Refseq	NM_002032
Protein Refseq	NP_002023
MIM	134770
UniProt ID	P02794

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