

## Recombinant Human FTH1 Protein, R-PE labeled

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid
<b>AA Sequence</b>	<p>MTTASTSQVRQNYHQDSEAAINRQINLELYASYVYLSMSYYFDRDDVALKNFAKYFL  HQSHEEREHAEKLMKLNQRGGRIFLQDIKKPDCDDWESGLNAMECALHLEKNVN  QSLLELHKLATDKNDPHLCDFIETHYLNEQVKAIKELGDHVTNLRKMGAPESGLAEYL  FDKHTLGSDSDNES.</p>
<b>Purity</b>	> 95 % by SDS-PAGE
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70 centigrade. Avoid repeated freezing and thawing cycles.

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<b>Concentration</b>	1 mg/mL (determined by Bradford assay).
<b>Storage Buffer</b>	PBS buffer
<b>Conjugation</b>	R-PE
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	FTH1 ferritin heavy chain 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FTH1
<b>Synonyms</b>	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
<b>Gene ID</b>	2495
<b>mRNA Refseq</b>	NM_002032
<b>Protein Refseq</b>	NP_002023
<b>MIM</b>	134770
<b>UniProt ID</b>	P02794
<b>PDB rendering</b>	based on 1fha.

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