

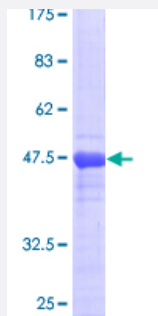
## Full-Length

# FTH1 (Human) Recombinant Protein (P02)

Catalog # H00002495-P02

Size 25 ug, 10 ug

## Applications



## Specification

**Product Description**

Human FTH1 full-length ORF ( AAH13724, 1 a.a. - 183 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence**

MTTASTSQVRQNYHQDSEAAINRQINLELYASYVYLSMSYYFDRDDVALKNFAKYFLHQSHEEREH  
AEKLMKLQNQRGGRIFLQDIKKPDCDDWESGLNAMECALHLEKNVNQSLLELHKLATDKNDPHL  
CDFIETHYLNQVKAIKELGDHVTNLRKMGAPESGLAEYLFDKHTLGDSDNES

**Host**

Wheat Germ (in vitro)

**Theoretical MW (kDa)**

45.87

**Preparation Method**
[in vitro wheat germ expression system](#)
**Purification**

Glutathione Sepharose 4 Fast Flow

**Quality Control Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — FTH1

Entrez GeneID [2495](#)

GeneBank Accession# [BC013724](#)

Protein Accession# [AAH13724](#)

Gene Name FTH1

Gene Alias FHC, FTH, FTHL6, MGC104426, PIG15, PLIF

Gene Description ferritin, heavy polypeptide 1

Omim ID [134770](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. Variations 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]

**Other Designations** apoferritin|placenta immunoregulatory factor|proliferation-inducing protein 15

## Pathway

- [Porphyrin and chlorophyll metabolism](#)

## Disease

- [Parkinson disease](#)