

Recombinant Human FTH

Cat. No. FTH-74H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Ferritin, Heavy Polypeptide was expressed in E. coli.
Species	Human
Source	E.coli
Description	Ferritin heavy chain is a 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. The functionality of the gene was demonstrated by the fact that both transient transfectants and stable transformants of mouse fibroblasts actively transcribed human ferritin heavy-chain mRNA.
Form	The protein solution is in 0.05M phosphate buffer containing 0.15M NaCl and 0.09% NaN ₃ pH 7.5. Filtered through a 0.4µm membrane.
Molecular Mass	25.0kDa
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Applications

Western blotting, ELISA

Storage

Store it under sterile conditions at -20°C to -123°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

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