

Native Horse FTH1 Protein

Cat. No. FTH1-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native horse apoferritin protein from spleen. CAS: 9013-31-4 MDL number: MFCD00081365
Species	Horse
Source	Spleen
Description	Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has ferroxidase activity. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation. Also plays a role in delivery of iron to cells. Mediates iron uptake in capsule cells of the developing kidney.
Form	Freeze-dried powder
Applications	Apoferritin is a gel filtration molecular weight marker that can be used in gel filtration chromatography and protein chromatography. Apoferritin has the ability to demetallate hemin and to metallate protoporphyrin. Apoferritin is used as a novel nanocarrier to load methylene blue (MB) and demonstrate its potential applications for photodynamic therapy of cancer.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store away from strong oxidizing agents, heat.
Reconstitution	Reconstitute in 0.15 M NaCl

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GENE INFORMATION

Gene Name	FTH1 ferritin heavy chain 1 [Equus caballus (horse)]
Official Symbol	FTH1
Synonyms	FTH1; ferritin heavy chain 1; ferritin heavy chain; apoferritin; ferritin H subunit; ferritin, heavy polypeptide 1; EC 1.16.3.1
Gene ID	100062811
mRNA Refseq	NM_001252054
Protein Refseq	NP_001238983
UniProt ID	Q8MIP0

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