

Recombinant Horse FTH1 Protein, His-tagged

Cat. No. FTH1-2775H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Horse FTH1 Protein (Met1-Ser182) with N-His tag was expressed in E. coli.
Species	Horse
Source	E.coli
ProteinLength	Met1-Ser182
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 (By similarity).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.7 kDa Accurate Molecular Mass: 27 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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

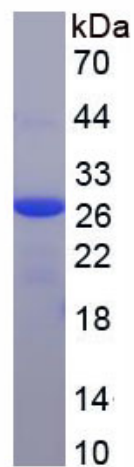
UniProt ID

Q8MIP0

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