

Datasheet for ABIN7318468
FTH1 Protein (His tag)



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Overview

Quantity:	50 µg
Target:	FTH1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FTH1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human FTH Protein (His Tag)
Sequence:	Met 1-Ser183
Characteristics:	Recombinant Human Ferritin heavy chain is produced by our E.coli expression system and the target gene encoding Met1-Ser183 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	FTH1
Alternative Name:	FTH (FTH1 Products)
Background:	Background: Ferritin heavy polypeptide 1(FTH1), is a ubiquitous intracellular protein which stores iron in a soluble, non-toxic, readily available form. FTH1 has ferroxidase activity and is important for iron homeostasis. Iron is taken up in the ferrous form and deposited as ferric

Target Details

hydroxides after oxidation. Ferritin is composed of 24 subunits of the light and heavy ferritin chains. It plays a role in delivery of iron to cells and mediates iron uptake in capsule cells of the developing kidney. Variation of ferritin subunit composition may affect iron absorption and release in different tissues. Deficiency of ferritin proteins may cause several neurodegenerative diseases. Almost all living organisms can produce this protein, including algae, bacteria, higher plants, and animals.

Synonym: Ferritin heavy chain,FTH1,FTH,FTHL6,Ferritin H subunit,Cell proliferation-inducing gene 15 protein,FHC,HFE5,PIG15

Molecular Weight: 23.4 kDa

UniProt: [P02794](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.