

Datasheet for ABIN1095588

## FTH1 Protein (AA 2-183, full length) (GST tag)



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### Overview

Quantity:	100 µg
Target:	FTH1
Protein Characteristics:	AA 2-183, full length
Reactivity:	Please inquire
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FTH1 protein is labelled with GST tag.
Application:	ELISA

### Product Details

Sequence:	TTASTSQVRQ NYHQDSEAAI NRQINLELYA SYVYLSMSYY FDRDDVALKN FAKYFLHQSH EEREHAEKLM KLQNQRGGRI FLQDIKKPDC DDWESGLNAM ECALHLEKNV NQSLLELHKL ATDKNDPHLC DFIETHYLNE QVKAIKELGD HVTNLRKMGA PESGLAEYLF DKHTLGSDN ES
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

### Target Details

Target:	FTH1
Alternative Name:	Ferritin heavy chain protein ( <a href="#">FTH1 Products</a> )
Background:	Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has

## Target Details

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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

Molecular Weight: 48.5 kD

UniProt: [P25800](#)

Pathways: [Transition Metal Ion Homeostasis](#)

## Application Details

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**Comment:** The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Concentration:** 0.2-2 mg/mL

**Buffer:** Tris-based buffer, 50 % glycerol

**Handling Advice:** Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

**Storage:** -20 °C

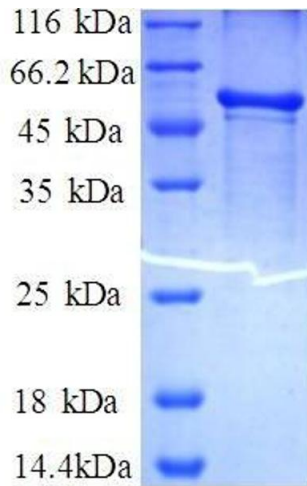
**Storage Comment:** Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

## Publications

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**Product cited in:** Yakirevich, Naot: "Cloning of a glucose phosphate isomerase/neuroleukin-like sperm antigen

involved in sperm agglutination." in: **Biology of reproduction**, Vol. 62, Issue 4, pp. 1016-23, (2000) ([PubMed](#)).



#### SDS-PAGE

**Image 1.** Ferritin, Heavy Polypeptide 1 (FTH1) (AA 2-183), (full length) protein (GST tag)