abcam

Product datasheet

Recombinant Human Ferritin Light Chain protein ab158473

1 Image

Description

Product name	Recombinant Human Ferritin Light Chain protein
Purity	> 99 % Proprietary Purification.
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSSQIRQNYSTDVEAAVNSLVNLYLQASYTYLSLGFYFDR DDVALEGVSH FFRELAEEKREGYERLLKMQNQRGGRALFQDIKKPAEDE WGKTPDAMKAA MALEKKLNQALLDLHALGSARTDPHLCDFLETHFLDEEVK LIKKMGDHLT NLHRLGGPEAGLGEYLFERLTLKHD
Amino acids	1 to 175
Tags	GST tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab158473** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA
	Western blot
Form	Liquid
Additional notes	

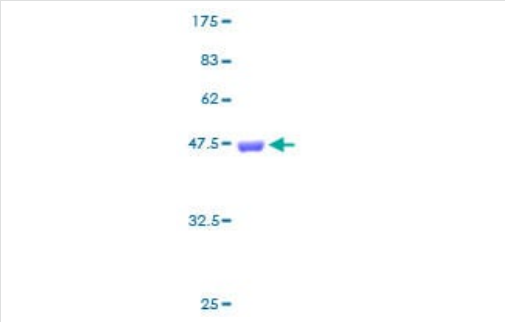
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. 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.
Involvement in disease	Defects in FTL are the cause of hereditary hyperferritinemia-cataract syndrome (HHCS) [MIM:600886]. It is an autosomal dominant disease characterized by early-onset bilateral cataract. Affected patients have elevated level of circulating ferritin. HHCS is caused by mutations in the iron responsive element (IRE) of the FTL gene. Defects in FTL are the cause of neurodegeneration with brain iron accumulation type 3 (NBIA3) [MIM:606159]; also known as adult-onset basal ganglia disease. It is a movement disorder with heterogeneous presentations starting in the fourth to sixth decade. It is characterized by a variety of neurological signs including parkinsonism, ataxia, corticospinal signs, mild nonprogressive cognitive deficit and episodic psychosis. It is linked with decreased serum ferritin levels.
Sequence similarities	Belongs to the ferritin family. Contains 1 ferritin-like diiron domain.

Images



SDS-PAGE - Recombinant Human Ferritin Light Chain protein (ab158473)

ab158473 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

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