

Datasheet for ABIN7562777
FTH1 Protein (AA 1-182) (His tag)



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Overview

Quantity:	1 mg
Target:	FTH1
Protein Characteristics:	AA 1-182
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FTH1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Fth1 Protein expressed in mammalien cells.
Sequence:	<p>MTTASPSQVR QNYHQDAEAA INRQINLELY ASYVYLSMSC YFDRDDVALK NFAKYFLHQS HEEREHAEKL MKLQNQRGGR IFLQDIKKPD RDDWESGLNA MECALHLEKS VNQSLLELHK LATDKNDPHL CDFIETYYS EQVKSIELG DHVTNLRKMG APEAGMAEYL FDKHTLGHGD ES</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	FTH1
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Alternative Name:	Fth1 (FTH1 Products)
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Background:	Ferritin heavy chain (Ferritin H subunit) (EC 1.16.3.1) [Cleaved into: Ferritin heavy chain, N-terminally processed],FUNCTION: Stores iron in a soluble, non-toxic, readily available form (By similarity). Important for iron homeostasis (By similarity). Has ferroxidase activity (By similarity). Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation (By similarity). Also plays a role in delivery of iron to cells (PubMed:19154717). Mediates iron uptake in capsule cells of the developing kidney (PubMed:19154717). {ECO:0000250 UniProtKB:P02794, ECO:0000269 PubMed:19154717}.
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Molecular Weight:	21.1 kDa
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UniProt:	P09528
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Pathways:	Transition Metal Ion Homeostasis
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months