

Human FTH1 Knockdown Cell Lysate

Cat. No. FTH1-167HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated FTH1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes the heavy subunit of ferritin, the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferritin proteins are associated with several neurodegenerative diseases. This gene has multiple pseudogenes. Several alternatively spliced transcript variants have been observed, but their biological validity has not been determined.
Form	Cell-Tissue Lysis buffer
Molecular Mass	21 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg FTH1 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Porphyrin and chlorophyll metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	FTH1 ferritin, heavy polypeptide 1 [Homo sapiens (human)]
Official Symbol	FTH1
Synonyms	FTH1; ferritin, heavy polypeptide 1; FTHL6; ferritin heavy chain; apoferritin; FHC; FTH; PIG15; placenta immunoregulatory factor; PLIF; proliferation inducing protein 15; ferritin H subunit; proliferation-inducing protein 15; cell proliferation-inducing gene 15 protein; MGC104426;
Gene ID	2495
mRNA Refseq	NM_002032
Protein Refseq	NP_002023
MIM	134770

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UniProt ID

P02794

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