

Recombinant Human FTL 293 Cell Lysate

Cat. No. FTL-6126HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ferritin, light polypeptide (FTL) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

FTL ferritin, light polypeptide [Homo sapiens]

Official Symbol

FTL

Synonyms

FTL; ferritin, light polypeptide; ferritin light chain; ferritin L subunit; ferritin L chain; ferritin light polypeptide like 3; L apoferritin; MGC71996; ferritin L-chain; ferritin light polypeptide-like 3; NBIA3;

Gene ID

2512

mRNA Refseq

NM_000146

Protein Refseq

NP_000137

MIM

134790

UniProt ID

P02792

**Chromosome
Location**

19q13.33

Pathway

Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved

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	biosystem; Porphyrin and chlorophyll metabolism, organism-specific biosystem;
Function	ferric iron binding; ferroxidase activity; identical protein binding; iron ion binding; oxidoreductase activity;

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