Recombinant Mouse Fth1 Protein, Myc/DDK-tagged

Cat. No. Fth1-3097M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ferritin heavy polypeptide 1 (Fth1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has 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 Mass	21.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Fth1 ferritin heavy polypeptide 1 [Mus musculus (house mouse)]
Official Symbol	Fth1
Synonyms	FTH1; ferritin heavy chain 1; ferritin heavy chain; H-ferritin; ferritin H subunit; FHC; Fth; HFt; MFH; AL022624; AL033366
Gene ID	14319
mRNA Refseq	NM_010239
Protein Refseq	NP_034369
UniProt ID	P09528

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