

Product datasheet for **TP309845L**

Ferritin Heavy Chain (FTH1) (NM_002032) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ferritin, heavy polypeptide 1 (FTH1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209845 protein sequence Red =Cloning site Green =Tags(s)
	MTTASTSQVRQNYHQDSEAAINRQINLELYASYVYLSMSYFDRDDVALKNFAKYFLHQSHEEREHAEKL MKLQNRGGRIFLQDIKKPDCDDWESGLNAMECALHLEKNVNQSLLELHKLATDKNDPHLCDFIETHYLN EQVKAIKELGDHVTNLRKMGAPESGLAEYLFDKHTLGSDNES
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	21 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002023</u>
Locus ID:	2495
UniProt ID:	<u>P02794</u> , <u>A0A024R525</u>
RefSeq Size:	1245



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Cytogenetics: 11q12.3

RefSeq ORF: 549

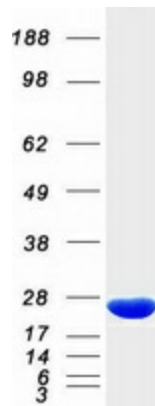
Synonyms: FHC; FTH; FTHL6; HFE5; PIG15; PLIF

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Porphyrin and chlorophyll metabolism

Product images:



Coomassie blue staining of purified FTH1 protein (Cat# [TP309845]). The protein was produced from HEK293T cells transfected with FTH1 cDNA clone (Cat# [RC209845]) using MegaTran 2.0 (Cat# [TT210002]).