Product datasheet for TP727132

Ferritin Light Chain (FTL) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Ferritin Light Chain/FTL (N-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Asp175
Tag:	N-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 250mM NaCl, 1mM EDTA, pH9.5.
Note:	Recombinant Human Ferritin light chain is produced by our E.coli expression system and the target gene encoding Met1-Asp175 is expressed with a 6His tag at the N-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	2512
UniProt ID:	P02792
Synonyms:	Ferritin L subunit;Ferritin light chain; FTL
Summary:	Ferritin is a large, iron-storage heteropolymeric protein,which is expressed in most kinds of cells and co-assemble in different proportion in a tissue-specific manner. Ferritin has oligomer of 24 subunits and two types of subunits including light chain(FTL) and heavy chain. Ferritin can remove Fe (â…¡) from solution in the presence of oxygen and is very important for iron homeostasis. Iron is absorbed in the ferrous form and deposited as ferric hydroxides after oxidation. Iron is first oxidized to the ferric state for storage as ferric oxyhdroxide whithin the protein shell of ferritin. Thus, ferritin removes excess iron from the cell sap where it could otherwise participate in peroxidation mechanisms. Ferritin also plays a role in delivery of iron to cells and mediates iron uptake in capsule cells of the developing kidney.
Protein Families:	Druggable Genome

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