

Ferritin heavy chain rabbit-FC recombinant protein

Catalog No :	YD3126
Reactivity :	Human;
Purity :	>90% as determined by SDS-PAGE
Gene Name :	Ferritin heavy chain
Protein Name :	Ferritin heavy chain
Sequence :	Amino acid:1-183,with rabbit FC tag.
Human Gene Id :	2495
Human Swiss Prot No :	P02794
Formulation :	Phosphate-buffered solution
Source :	Mammalian cells
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Background :	<p>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],</p>
Function :	<p>catalytic activity:4 Fe(2+) + 4 H(+) + O(2) = 4 Fe(3+) + 2 H(2)O.,function:Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis.,function: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.,miscellaneous:In human liver the heavy chain is the major chain.,online information:Ferritin entry,similarity:Belongs to the ferritin</p>

family.,similarity:Contains 1 ferritin-like diiron domain.,subunit:Oligomer of 24 subunits. There are two types of subunits: L (light) chain and H (heavy) chain. The major chain can be light or heavy, depending on the species and tissue type. The functional molecule fo

Subcellular Location :

cell,nucleus,cytoplasm,mitochondrion,cytosol,intracellular ferritin complex,integral component of membrane,autolysosome,extracellular exosome,

Expression :

Expressed in the liver.

Products Images