

## 32-9172: Recombinant Human Ferritin Light Chain/FTL (N-His)

**Alternative Name :** Ferritin L subunit; Ferritin light chain; FTL

### Description

Source : E.coli;

Ferritin, light polypeptide (FTL) is a large, iron-storage heteropolymeric protein. It is found in most kinds of cells and co-assemble in different proportions in a tissue-specific manner. Ferritin is composed of 24 subunits, which form two types of subunits including light chain(FTL) and heavy chain. Ferritin can remove Fe (II) from solution in the presence of oxygen and is essential 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 oxyhydroxide within the protein shell of ferritin. Thus, ferritin removes excess iron from the cell sap where it could otherwise participate in peroxidation mechanisms. Ferritin also involves in the delivery of iron to cells and mediates iron uptake in capsule cells of the developing kidney.

### Product Info

**Amount :** 500 µg / 50 µg

**Content :** Lyophilized from a 0.2 um filtered solution of 20mM Tris, 250mM NaCl, 1mM EDTA, pH9.5.

**Amino Acid :** 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.