



# Recombinant Dog Ferritin light chain (FTL)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-BP690487DO  |
| <b>Abbreviation</b>      | FTL   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  |
| <b>Uniprot No.</b>       | Q53VB8  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Canis lupus familiaris (Dog) (Canis familiaris)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | SSQIRQNYS TEVEAAVNRL VNMHLRASYT YLSLGFYFDR DDVALEGVGH<br>FFRELAEEKR EGAERFLKMQ NQRGGRALFQ DVQKPSQDEW<br>GKTLDAMEAA LLEKSLNQA LLDLHALGSA RADPHLCDFL ENHFLDEEVK<br>LIKMGDHLT NLRRLATPQA GLGEYLFERL TLKHD  |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | FTL   |
| <b>Protein Names</b>     | Recommended name: Ferritin light chain Short name= Ferritin L subunit   |
| <b>Expression Region</b> | 2-175   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | This gene encodes the light subunit of the ferritin protein. Ferritin is 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 this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.   |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life   |



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