



Recombinant Bovine Ferritin light chain (FTL)

Product Code	CSB-EP009049BO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O46415
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	SSQIRQNYS TEVEAAVNRL VNMQLRASYT YLSLGFYFDR DDVALEGVGH FFRELAKEKR EGAERLLKLQ NQRGGRALFL DVQKPSQDEW GKTQDAMEAA LLVEKNLNQA LLDLHGLASA RGDPHICDFL ENHFLDEEVK LIKKMGDHLT NLRRLAGPQA GLGEYLFERL TLKHD
Source	E.coli
Target Names	FTL
Protein Names	Recommended name: Ferritin light chain Short name= Ferritin L subunit
Expression Region	2-175
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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.