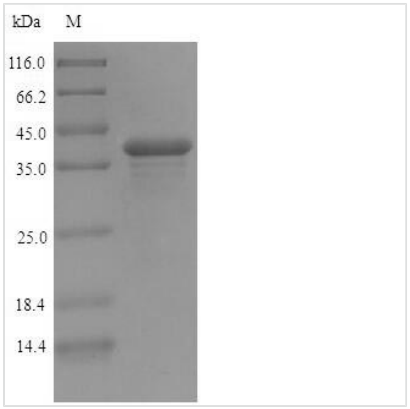
Recombinant Glycine max Ferritin-2, chloroplastic

Product Code	CSB-EP836022GGV
Relevance	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.
Abbreviation	Recombinant Glycine max Ferritin-2, chloroplastic protein
Storage	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.
Uniprot No.	Q94IC4
Alias	SFerH-2
Product Type	Recombinant Protein
Immunogen Species	Glycine max (Soybean) (Glycine hispida)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	APAPLAGVIFEPFQELKKDYLAVPIAHNVSLARQNYADDSESAINEQINVEYNVS YVYHALFAYFDRDNIALKGLAKFFKESSEEEREHAEQLIKYQNIRGGRVVLHPIT SPPSEFEHSEKGDALYAMELALSLEKLTNEKLLHVHSVAERNNDPQSADFIES EFLYEQVKSIKKIAEYVAQLRLVGKGHGVWHFDQKLLHDEDHV
Research Area	Microbiology
Source	E.coli
Protein Names	Recommended name: Ferritin-2, chloroplastic EC= 1.16.3.1 Alternative name(s): SFerH-2
Expression Region	52-257aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	39.5kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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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.