

## Ferritin-2 Protein, Glycine max, Recombinant (His & SUMO)

### General Information

Synonyms:	chloroplastic;Ferritin-2, chloroplastic;SFerH-2
Protein Construction:	52-257 aa
Species:	Glycine max
Expression Host:	E. coli
Accession:	Q94IC4
Molecular Weight:	39.5 kDa (predicted)
AA Sequence:	APAPLAGVIFEPFQELKKDYLA VPIAHNVSLARQNYADDSESAINEQINVEYNVSYVYHALFAYFDRDNIALK GLAKFFKESSEEEEREHAEQLIKYQNI RGGRVVLHPITSPSEFEHSEKGDALYAMELALSLEKLTNEKLLHVHSV AERNNDPQSADFIESEFLYEQVKSIIKIAEYVAQLRLVVGKGGVWHFDQKLLHDEDHV

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

**Reconstitution:**  
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

**Stability & Storage:**

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

**Shipping:**

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481