Ferritin-4, chloroplastic (SFERH-4), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP18344*

Size *0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Glycine max (Soybean) (Glycine hispida)

Full Product Name
Recombinant Glycine max Ferritin-4, chloroplastic

Product Gene Name
SFERH-4 recombinant protein

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence
NHRALTGVIF EPFEEVKKEL DLVPTVPQAS LARQKYVDES ESAVNEQINV EYNVSYVYHA MFAYFDRDNV ALRGLAKFFK ESSEEEREHA EKLMEYQNKR GGKVKLQSIV MPLSDFDHAD KGDALHAMEL ALSLEKLTNE KLLNLHSVAT KNGDVQLADF VETEYLGEQV EAIKRISEYV AQLRRVGKGH GVWHFDQMLL HEGGDAA

Sequence Positions
41-247, Full length protein

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
27,559 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Ferritin

NCBI Accession
NP_001237049.1

NCBI GI
351724189

NCBI GenBank Nucleotide
NM_001250120.1

NCBI GeneID
547477

NCBI Official Full Name
ferritin-4, chloroplastic

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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https://www.cd-biosciences.com/plant-protein/

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NCBI Official Symbol
SFERH-4

NCBI Protein Information
ferritin-4, chloroplastic

UniProt Protein Name
Ferritin-4, chloroplastic

UniProt Synonym Protein Names
SFerH-4

UniProt Primary Accession
Q948P5

UniProt Related Accession
Q948P5

UniProt Comments
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.

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