Ferritin-2, Chloroplastic (PFE2) Vigna Unguiculata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ferritin-2, chloroplastic (PFE2), Recombinant Protein
Full Product Name	Recombinant Vigna unguiculata Ferritin-2, chloroplastic (PFE2)
Product Gene Name	PFE2 recombinant protein
Product Synonym Gene Name	PFE2
Sequence	NHRALTGVIF EPFEEVKKEL DLVPTVPQAS LARQKYVDES EAAVNEQINV EYNVSYVYHA LFAYFDRDNV ALRGLAKFFK ESSEEEREHA EKLMEYQNRR GGKVKLQSIV MPLSEFDHAD KGDALHAMEL ALSLEKLTNE KLLHLHSVAT KNGDVQLADF VESEFLGEQV ESIKRISEYV AQLRRVGKGH GVWHFDQMLL HEGGHLA
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	28,041 Da
Sequence Positions	44-250, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q41709
Species	Vigna unguiculata (Cowpea)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PFE2 recombinant protein	MBS1385599 is a recombinant protein targeting PFE2. Also known as Recombinant Vigna unguiculata Ferritin-2, chloroplastic (PFE2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PFE2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PFE2. It may not necessarily be applicable to this product.

NCBI GI #	29839287
NCBI Accession #	Q41709.2
UniProt Primary Accession #	Q41709
NCBI Official Full Name	Ferritin-2, chloroplastic
UniProt Protein Name	Ferritin-2, chloroplastic
UniProt Gene Name	PFE2

UniProt Comments for PFE2	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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