2fe-2s Ferredoxin (fdx) Recombinant Protein

PRODUCT OVERVIEW

Product Name	2Fe-2S ferredoxin (fdx), Recombinant Protein
Full Product Name	Recombinant Buchnera aphidicola subsp. Acyrthosiphon pisum 2Fe-2S ferredoxin (fdx)
Product Gene Name	fdx recombinant protein
Product Synonym Gene Name	fdx; BU606
Product Synonym Names	2Fe-2S ferredoxin
Sequence	MPKVLFLPHK ILLPKSIECE AQTGETILTV ALRNNIKLEH ACEQSCACST CHCIIKKGFF SLSGWSEKED DILDKAWGLQ SESRLSCQAV IGKSDIEVEI PLYNLNYTVE Y
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	12,476 Da
Sequence Positions	1-111aa; 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 P57661
Species	Buchnera aphidicola subsp. Acyrthosiphon pisum (strain APS) (Acyrthosiphon pisum symbiotic bacterium)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fdx recombinant protein	MBS1125323 is a recombinant protein targeting fdx. Also known as Recombinant Buchnera aphidicola subsp. Acyrthosiphon pisum 2Fe-2S ferredoxin (fdx). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fdx 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 fdx. It may not necessarily be applicable to this product.

NCBI GI #	15617191
NCBI GeneID	1109941
NCBI Accession #	NP_240404.1
UniProt Primary Accession #	P57661
UniProt Related Accession #	P57661

GenBank Nucleotide #	NC_002528.1
NCBI Official Full Name	(2Fe-2S) ferredoxin
NCBI Official Symbol	fdx
UniProt Protein Name	2Fe-2S ferredoxin
Protein Family	2Fe-2S ferredoxin
UniProt Gene Name	fdx
UniProt Synonym Gene Names	BU606
UniProt Entry Name	FER_BUCAI
NCBI Protein Information	(2Fe-2S) ferredoxin
UniProt Comments for fdx	Ferredoxin are iron-sulfur proteins that transfer electrons in a wide variety of metabolic reactions.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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