Desulfoferrodoxin (dfx) Desulfarculus Baarsii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Desulfoferrodoxin (dfx), Recombinant Protein
Full Product Name	Recombinant Desulfarculus baarsii Desulfoferrodoxin (dfx)
Product Gene Name	dfx recombinant protein
Product Synonym Gene Name	dfx
Sequence	PERLQVYKCE VCGNIVEVLN GGIGELVCCN QDMKLMSENT VDAAKEKHVP VIEKIDGGYK VKVGAVAHPM EEKHYIQWIE LLADDKCYTQ FLKPGQAPEA VFLIEAAKVV AREYCNIHGH WKAEN
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	14,157 Da
Sequence Positions	2-126, 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 Q46495
Species	Desulfarculus baarsii (strain 33931 / DSM 2075 / VKM B-1802 / 2st14)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dfx recombinant protein	MBS1329382 is a recombinant protein targeting dfx. Also known as Recombinant Desulfarculus baarsii Desulfoferrodoxin (dfx). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dfx 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 dfx. It may not necessarily be applicable to this product.

NCBI GI #	503023880
NCBI Accession #	WP_013258856.1
UniProt Primary Accession #	Q46495
UniProt Secondary Accession #	E1QI98
GenBank Nucleotide #	WP_013258856.1
NCBI Official Full Name	desulfoferrodoxin

UniProt Protein Name	Desulfoferrodoxin
UniProt Synonym Protein Names	Superoxide reductase; SOR
Protein Family	Desulfoferrodoxin
UniProt Gene Name	dfx
UniProt Synonym Gene Names	rbo; Dfx; SOR
UniProt Comments for dfx	Catalyzes the one-electron reduction of superoxide anion radical to hydrogen peroxide at a nonheme ferrous iron center. Plays a fundamental role in case of oxidative stress via its superoxide detoxification activity.
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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