Ferredoxin-Thioredoxin Reductase, Variable Chain (ftrV) Synechocystis Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ferredoxin-thioredoxin reductase, variable chain (ftrV), Recombinant Protein
Full Product Name	Recombinant Synechocystis sp. Ferredoxin-thioredoxin reductase, variable chain (ftrV)
Product Gene Name	ftrV recombinant protein
Product Synonym Gene Name	ftrV
Sequence	MNVGDRVRVT SSVVVYHHPE HKKTAFDLQG MEGEVAAVLT EWQGRPISAN LPVLVKFEQR FKAHFRPDEV TLIED
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	8,558 Da
Sequence Positions	1-75, Full length
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 Q55781
Species	Synechocystis sp. (strain PCC 6803 / Kazusa)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ftrV recombinant protein	MBS1376542 is a recombinant protein targeting ftrV. Also known as Recombinant Synechocystis sp. Ferredoxin-thioredoxin reductase, variable chain (ftrV). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ftrV 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 ftrV. It may not necessarily be applicable to this product.

NCBI GI #	2498398
NCBI Accession #	Q55781.1
UniProt Primary Accession #	Q55781
NCBI Official Full Name	Ferredoxin-thioredoxin reductase, variable chain
UniProt Protein Name	Ferredoxin-thioredoxin reductase, variable chain
UniProt Synonym Protein Names	Ferredoxin-thioredoxin reductase subunit A; FTR-A

UniProt Gene Name	ftrV
UniProt Synonym Gene Names	FTR-V; FTR-A
UniProt Comments for ftrV	Variable subunit of the ferredoxin-thioredoxin reductase (FTR), which catalyzes the two-electron reduction of thioredoxins by the electrons provided by reduced ferredoxin.
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