Ferrous-Iron Efflux Pump Fief (fieF) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ferrous-iron efflux pump FieF (fieF), Recombinant Protein
Full Product Name	Recombinant Ferrous-iron efflux pump FieF (fieF)
Product Gene Name	fieF recombinant protein
Product Synonym Gene Name	fieF
Product Synonym Names	Recombinant Ferrous-iron efflux pump FieF (fieF); Ferrous-iron efflux pump FieF
Sequence	MNQSYGRLVS RAAIAATAMA SLLLLIKIFA WWYTGSVSIL AALVDSLVDI GASLTNLLVV RYSLQPADDN HSFGHGKAES LAALAQSMFI SGSALFLFLT GIQHLISPTP MTDPGVGVIV TIVALICTII LVSFQRWVVR RTQSQAVRAD MLHYQSDVMM NGAILLALGL SWYGWHRADA LFALGIGIYI LYSALRMGYE AVQSLLDRAL PDEERQEIID IVTSWPGVSG AHDLRTRQSG PTRFIQIHLE MEDSLPLVQA HMVADQVEQA ILRRFPGSDV IIHQDPCSVV PREGKRSMLS
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	32,927 Da
Sequence Positions	1-300
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.
Chromosome Location	NC_002655.2 (4975193..4976095)
3D Structure	ModBase 3D Structure for P69381
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fieF recombinant protein	MBS1256667 is a recombinant protein targeting fieF. Also known as Recombinant Ferrous-iron efflux pump FieF (fieF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fieF 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 fieF. It may not necessarily be applicable to this product.

NCBI GI #	15804504
NCBI GeneID	960230
NCBI Accession #	NP_290544.1

UniProt Primary Accession #	P69381
UniProt Secondary Accession #	P32159
GenBank Nucleotide #	NC_002655.2
NCBI Official Full Name	ferrous iron efflux protein F
NCBI Official Symbol	fieF
NCBI Official Synonym Symbols	yiiP
UniProt Protein Name	Ferrous-iron efflux pump FieF
Protein Family	Cation-efflux pump
UniProt Gene Name	fieF
UniProt Entry Name	FIEF_ECO57
NCBI Protein Information	ferrous iron efflux protein F
UniProt Comments for fieF	Function: Iron-efflux transporter responsible for iron detoxification. Also able to transport Zn2+ in a proton-dependent manner By similarity. HAMAP-Rule MF_01425 Subunit structure: Homodimer By similarity. HAMAP-Rule MF_01425 Subcellular location: Cell inner membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_01425. Sequence similarities: Belongs to the cation diffusion facilitator (CDF) transporter (TC 2.A.4) family. FieF subfamily. [View classification]
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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