Deferrochelatase/Peroxidase Efeb (efeB) Escherichia Coli O6 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Deferrochelatase/peroxidase EfeB (efeB), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O6 Deferrochelatase/peroxidase EfeB (efeB)
Product Gene Name	efeB recombinant protein
Product Synonym Gene Name	efeB
Sequence	QKTQSAPGTL SPDARNEKQP FYGEHQAGIL TPQQAAMMLV AFDVLASDKA DLERLFRLLT QRFAFLTQGG AAPETPNPRL PPLDSGILGG YIAPDNLTIT LSVGHSLFDE RFGLAPQMPK KLQKMTRFPN DSLDAALCHG DVLLQICANT QDTVIHALRD IIKHTPDLLS VRWKREGFIS DHAARSKGKE TPINLLGFKD GTANPDSQND KLMQKVVWVT ADQQEPAWTI GGSYQAVRLI QFRVEFWDRT PLKEQQTIFG RDKQTGAPLG MLHEHDVPDY ASDPEGKVIA LDSHIRLANP RTAESESSLM LRRGYSYSLG VTNSGQLDMG LLFVCYQHDL EKGFLTVQKR LNGEALEEYV KPIGGGYFFA LPGVKDANDY LGSALLRV
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	46,664 Da
Sequence Positions	36-423, 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 Q8CW71
Species	Escherichia coli O6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for efeB recombinant protein	MBS1346756 is a recombinant protein targeting efeB. Also known as Recombinant Escherichia coli O6 Deferrochelatase/peroxidase EfeB (efeB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of efeB 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 efeB. It may not necessarily be applicable to this product.

NCBI GI #	447121879
NCBI Accession #	WP_001199135.1
UniProt Primary Accession #	Q8CW71
GenBank Nucleotide #	WP_001199135.1

NCBI Official Full Name	MULTISPECIES: deferrochelatase/peroxidase EfeB
UniProt Protein Name	Deferrochelatase/peroxidase EfeB
Protein Family	Deferrochelatase/peroxidase
UniProt Gene Name	efeB
UniProt Comments for efeB	Involved in the recovery of exogenous heme iron. Extracts iron from heme while preserving the tetrapyrrol ring intact ().
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