Coproporphyrinogen-III Oxidase, Aerobic (hemF) Francisella Tularensis Subsp. Holarctica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Coproporphyrinogen-III oxidase, aerobic (hemF), Recombinant Protein
Full Product Name	Recombinant Francisella tularensis subsp. holarctica Coproporphyrinogen-III oxidase, aerobic (hemF)
Product Gene Name	hemF recombinant protein
Product Synonym Gene Name	hemF
Sequence	MQEKISKFED FLTQLQQNIT TALEQHETNA AKFISDKWQK PDTPDQKLKG YGNSMIIEGG EIFEKGVVAF SRVHGSELPP SATAKRQELA GKSFIATGLS LVIHPRNPFV PTSHANFRIF IAGADTDNPI WWFGGGFDLT PYYPFEEDAI HWHQTAKNIC DKHDKTYYPK FKKWCDEYFY LKHRDEYRGV GGLFFDDLND KSFDECFNFV TDCANSYLDA YIPIVAQRKN IEYSQKHKDF QLYRRGRYVE FNLVFDRGTI FGLQSGGRTE SILSSMPPMA TWKYNWQPEP GSEEEKVYQY IKPRDWIK
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	35,876 Da
Sequence Positions	1-308, 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 Q2A3H9
Species	Francisella tularensis subsp. holarctica (strain LVS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hemF recombinant protein	MBS1362712 is a recombinant protein targeting hemF. Also known as Recombinant Francisella tularensis subsp. holarctica Coproporphyrinogen-III oxidase, aerobic (hemF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hemF 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 hemF. It may not necessarily be applicable to this product.

NCBI GI #	489106033
NCBI Accession #	WP_003015894.1
UniProt Primary Accession #	Q2A3H9
GenBank Nucleotide #	WP_003015894.1

NCBI Official Full Name	coproporphyrinogen III oxidase
UniProt Protein Name	Oxygen-dependent coproporphyrinogen-III oxidase
UniProt Gene Name	hemF
UniProt Synonym Gene Names	CPO; Coprogen oxidase; Coproporphyrinogenase
UniProt Comments for hemF	Involved in the heme biosynthesis. Catalyzes the aerobic oxidative decarboxylation of propionate groups of rings A and B of coproporphyrinogen-III to yield the vinyl groups in protoporphyrinogen-IX.
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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