Coproporphyrinogen-III Oxidase, Aerobic 2 (hemF2) Nostoc Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Coproporphyrinogen-III oxidase, aerobic 2 (hemF2), Recombinant Protein
Full Product Name	Recombinant Nostoc sp. Coproporphyrinogen-III oxidase, aerobic 2 (hemF2)
Product Gene Name	hemF2 recombinant protein
Product Synonym Gene Name	hemF2
Sequence	MGRHSDNSLQ ESANHTVLLT SPTNTIPKDS RQRSQQFMQN LQDEICTALE QLDGKASFHQ DHWERAEGGE GRTRVIREGR VFEQGGVNFS AVWGNSLPAS ILAQRPEAAG HEFFATGTSM VLHPRNPYVP TVHLNYRYFE AGPIWWFGGG ADLTPYYAFK EDAVHFHQTL KNACDVHNPE YYPTFKRWCD EYFYLRHREE QRGIGGIFFD YQDASGKLYV ESQTDSSVAI YSQKVGNVAR NWEDIFAFVQ SCGQAFLPAY LPIVERRQGI EYGDRQRNFQ LYRRGRYVEF NLVYDRGTVF GLQTKGRTES ILMSLPPLAR WEYCYEPEAG SPEAELTEVF LQPRDWV
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	40,031 Da
Sequence Positions	1-347, 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 Q8YX58
Species	Nostoc sp. (strain PCC 7120 / UTEX 2576)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hemF2 recombinant protein	MBS1343536 is a recombinant protein targeting hemF2. Also known as Recombinant Nostoc sp. Coproporphyrinogen-III oxidase, aerobic 2 (hemF2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hemF2 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 hemF2. It may not necessarily be applicable to this product.

NCBI GI #	499304754
NCBI Accession #	WP_010995529.1
UniProt Primary Accession #	Q8YX58
GenBank Nucleotide #	WP_010995529.1
NCBI Official Full Name	coproporphyrinogen III oxidase

UniProt Protein Name	Coproporphyrinogen-III oxidase, aerobic 2
Protein Family	Coproporphyrinogen III oxidase
UniProt Gene Name	hemF2
UniProt Synonym Gene Names	Coprogen oxidase 2; Coproporphyrinogenase 2
UniProt Comments for hemF2	Key enzyme in heme biosynthesis. Catalyzes the oxidative decarboxylation of propionic acid side chains of rings A and B of coproporphyrinogen III ().
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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