Fo Synthase Subunit 2 (cofH) Methanocaldococcus Jannaschii Recombinant Protein

PRODUCT OVERVIEW

Product Name	FO synthase subunit 2 (cofH), Recombinant Protein
Full Product Name	Recombinant Methanocaldococcus jannaschii FO synthase subunit 2 (cofH)
Product Gene Name	cofH recombinant protein
Product Synonym Gene Name	cofH; MJ1431
Product Synonym Names	FO synthase subunit 2; EC=2.5.1.77; 7,8-didemethyl-8-hydroxy-5-deazariboflavin synthase subunit 2
Sequence	MDPNKFREKE ISKKEALELF EDNEIIFELF KFADSLRREE VGDIVTYVVN RNINFTNICV GNCRFCAFRA NENDKHAYFL DIDEIAKRAV EAKKFGCTEV CIQGGLHPKI DTYYQAEILK AVHEATKPYG DIHIHAFSPM EVYFGAENAG LDIKEALKIL KENGLNSMPG TAAEILDDDI RAELCPNKIK TKEWIYIIKE AHKLGIPTTA TMMYGHIEEY KHWVNHLFII KEIQEETNGF TEFVPLSFMH KYAPIYKEGK AKAGATGIED LKVFAVSRII FKGLIKNIQA SWVKLGKKMV QVALRCGAND VGGTLIEESI SRSAGAEHGV YMSVEEIRDM IKRVGLIPKE RTTLYKILE
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	40,806 Da
Sequence Positions	1-359aa; 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 Q58826
Species	Methanocaldococcus jannaschii (strain 43067 / DSM 2661 / JAL-1 / JCM 10045 / NBRC 100440) (Methanococcus jannaschii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cofH recombinant protein	MBS1441925 is a recombinant protein targeting cofH. Also known as Recombinant Methanocaldococcus jannaschii FO synthase subunit 2 (cofH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cofH 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 cofH. It may not necessarily be applicable to this product.

NCBI GI #	15669622
NCBI GeneID	1452335
NCBI Accession #	NP_248435.1

UniProt Primary Accession #	Q58826
UniProt Related Accession #	Q58826
GenBank Nucleotide #	NC_000909.1
NCBI Official Full Name	FO synthase subunit 2
NCBI Official Symbol	MJ_1431
NCBI Official Synonym Symbols	cofG; cofH
UniProt Protein Name	FO synthase subunit 2
UniProt Synonym Protein Names	7,8-didemethyl-8-hydroxy-5-deazariboflavin synthase subunit 2
Protein Family	FO synthase
UniProt Gene Name	cofH
UniProt Synonym Gene Names	MJ1431
UniProt Entry Name	COFH_METJA
NCBI Protein Information	FO synthase subunit 2
UniProt Comments for cofH	Catalyzes the radical-mediated transfer of the hydroxybenzyl group from 4-hydroxyphenylpyruvate (HPP) to 5-amino-6-ribitylamino-2,4(1H,3H)-pyrimidinedione to form 7,8-didemethyl-8-hydroxy-5-deazariboflavin (FO).
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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