Bifunctional Protein Fold 1 (folD1) Desulfitobacterium Hafniense Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bifunctional protein FolD 1 (folD1), Recombinant Protein
Full Product Name	Recombinant Desulfitobacterium hafniense Bifunctional protein FolD 1 (folD1)
Product Gene Name	folD1 recombinant protein
Product Synonym Gene Name	folD1
Sequence	MTQILNAKPV VQAMKENLRQ EVAALQAEGK APTLGIIRVG SRPDDVYYEN NIIKNCETIG IATKTYPLDL NISMEEFTAV MTQVNDDPSV HGIMLFRPLP PQLDEEVIKH LISADKDIDC MSPLNLEKVF EGDMSGLLPC TPAAVMAILR HYEIELKGAN AVVMGRSLVV GKPLSMMLLQ DNATVTICHS RTRNLPEVAK NADIVIAAMG RARMIDDNYV AENSIVIDVG INDAGDGKIC GDVDYDAVVD KVKAITPVPG GVGSVTTTIL LNNLVRACKS Q
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	30,399 Da
Sequence Positions	1-281, 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 Q24ZZ6
Species	Desulfitobacterium hafniense (strain Y51)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for folD1 recombinant protein	MBS1353329 is a recombinant protein targeting folD1. Also known as Recombinant Desulfitobacterium hafniense Bifunctional protein FolD 1 (folD1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of folD1 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 folD1. It may not necessarily be applicable to this product.

NCBI GI #	492324673
NCBI Accession #	WP_005809876.1
UniProt Primary Accession #	Q24ZZ6
GenBank Nucleotide #	WP_005809876.1
NCBI Official Full Name	bifunctional 5,10-methylene-tetrahydrofolate dehydrogenase/5,10-methylene-tetrahydrofolate cyclohydrolase

UniProt Protein Name	Bifunctional protein FolD 1
Protein Family	Bifunctional protein
UniProt Gene Name	folD1
UniProt Comments for folD1	Catalyzes the oxidation of 5,10-methylenetetrahydrofolate to 5,10-methenyltetrahydrofolate and then the hydrolysis of 5,10-methenyltetrahydrofolate to 10-formyltetrahydrofolate.
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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