Bifunctional Protein Fold (folD) Lactobacillus Plantarum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bifunctional protein FolD (folD), Recombinant Protein
Full Product Name	Recombinant Lactobacillus plantarum Bifunctional protein FolD (folD)
Product Gene Name	folD recombinant protein
Product Synonym Gene Name	folD
Sequence	MTKIIDGKAV AKKVNAQTAT AVAELAAQGI QPGIAVIIVG DDAASQIYVR NKNRKATKLG MHSVVRQLPA TTSQDELLAI IAAYNADDSI HGILVQSPLP AQINEPLITM AIDPKKDVDG FHPTNVGKLI TNFPGNYPVA NTPRGIMTML ADYGVDPAGK TAVVIGRSTI VGKPMAALLT NANATVTIAH SKTADLKAVA RTADILVVAT GIAHLITGAD IKPGATVIDV GMDRDENGKL VGDVDFDSAQ GIAGLITPVP GGVGPMTIAT LMQTTVELAK WSDVSE
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	29,583 Da
Sequence Positions	1-286, Full length
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 Q88WM8
Species	Lactobacillus plantarum (strain BAA-793 / NCIMB 8826 / WCFS1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for folD recombinant protein	MBS1479042 is a recombinant protein targeting folD. Also known as Recombinant Lactobacillus plantarum Bifunctional protein FolD (folD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of folD 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 folD. It may not necessarily be applicable to this product.

NCBI GI #	489741098
NCBI Accession #	WP_003645162.1
UniProt Primary Accession #	Q88WM8
UniProt Secondary Accession #	F9UNX4
GenBank Nucleotide #	WP_003645162.1

NCBI Official Full Name	MULTISPECIES: bifunctional methylenetetrahydrofolate dehydrogenase/methenyltetrahydrofolate cyclohydrolase
UniProt Protein Name	Bifunctional protein FolD
Protein Family	Bifunctional protein
UniProt Gene Name	folD
UniProt Comments for folD	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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