Dihydropteroate Synthase (folP) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydropteroate synthase (folP), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Dihydropteroate synthase (folP)
Product Gene Name	folP recombinant protein
Sequence	MKLFAQGTSL DLSHPHVMGI LNVTPDSFSD GGTHNSLIDA VKHANLMINA GATIIDVGGE STRPGAAEVS VEEELQRVIP VVEAIAQRFE VWISVDTSKP EVIRESAKVG AHIINDIRSL SEPGALEAAA ETGLPVCLMH MQGNPKTMQE APKYDDVFAE VNRYFIEQIA RCEQAGIAKE KLLLDPGFGF GKNLSHNYSL LARLAEFHHF NLPLLVGMSR KSMIGQLLNV GPSERLSGSL ACAVIAAMQG AHIIRVHDVK ETVEAMRVVE ATLSAKENKR YE
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	30,615 Da
Sequence Positions	1-282, 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 P0AC13
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for folP recombinant protein	MBS1123153 is a recombinant protein targeting folP. Also known as Recombinant Escherichia coli Dihydropteroate synthase (folP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of folP 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 folP. It may not necessarily be applicable to this product.

NCBI GI #	90111553
NCBI GeneID	947691
NCBI Accession #	NP_417644.4
UniProt Primary Accession #	P0AC13
UniProt Secondary Accession #	P26282; P78110; Q2M935
GenBank Nucleotide #	NC_000913.3

NCBI Official Full Name	7,8-dihydropteroate synthase
NCBI Official Symbol	folP
NCBI Official Synonym Symbols	dhpS; ECK3166; JW3144
UniProt Protein Name	Dihydropteroate synthase
UniProt Synonym Protein Names	Dihydropteroate pyrophosphorylase
Protein Family	Bifunctional dihydropteroate synthase/dihydropteroate reductase
UniProt Gene Name	folP
UniProt Synonym Gene Names	dhpS; DHPS
NCBI Protein Information	7,8-dihydropteroate synthase
UniProt Comments for folP	Catalyzes the condensation of para-aminobenzoate (pABA) with 6-hydroxymethyl-7,8-dihydropterin diphosphate (DHPt-PP) to form 7,8-dihydropteroate (H2Pte), the immediate precursor of folate derivatives.
Research Articles on folP	**1.** N-terminus verified by Edman degradation on complete protein
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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