Dihydropteroate Synthase (folP) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydropteroate synthase (folP), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Dihydropteroate synthase (folP)
Product Gene Name	folP recombinant protein
Product Synonym Gene Name	folP
Sequence	MTKTKIMGIL NVTPDSFSDG GKFNNVESAI NRVKAMIDEG ADIIDVGGVS MRPGHEMVSL EEEMNRVLPV VEAIVGFDVK ISVDTFRSEV AEACLKLGVD MINDQWAGLY DHRMFQIVAK YDAEIILMHN GNGNRDEPVV EEMLTSLLAQ AHQAKIAGIP SNKIWLDPGI GFAKTRNEEA EVMARLDELV ATEYPVLLAT SRKRFTKKMM GYDTTPVERD EVTAATTAYG IMKGVRAVRV HNVELNAKLA KGIDFLKENE NARHNLS
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	29,552 Da
Sequence Positions	1-267, 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 Q5HIG1
Species	Staphylococcus aureus (strain COL)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for folP recombinant protein	MBS1399536 is a recombinant protein targeting folP. Also known as Recombinant Staphylococcus aureus 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 #	446090067
NCBI Accession #	WP_000167922.1
UniProt Primary Accession #	Q5HIG1
GenBank Nucleotide #	WP_000167922.1
NCBI Official Full Name	dihydropteroate synthase

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
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.
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