GTP Cyclohydrolase Fole2 (folE2) Dinoroseobacter Shibae Recombinant Protein

PRODUCT OVERVIEW

Product Name	GTP cyclohydrolase folE2 (folE2), Recombinant Protein
Full Product Name	Recombinant Dinoroseobacter shibae GTP cyclohydrolase folE2 (folE2)
Product Gene Name	folE2 recombinant protein
Sequence	MNVYTPDIDK LPNRDEAATA LATLRAWAQT ASAAEIETLD PSVARLLPGD PSDYPSLARA YPEEFSVDAA YKDSLPDLQN GPSSLIRGAK AQIQHVGISN FRLPIRFHTR DNGDVTLETS VTGSVSLEAE KKGINMSRIM RTFYGHADET FSFEVIERTL DAYKSDLESF DARIQMRFSF PMKVESLRSG LSGYQYYDIA LEVVDVNGQR RKFMHLDYVY SSTCPCSLEL SEHARQFRGQ LATPHSQRSV ARVSVELTCG ADDCLWFEDL VELCREAIPT ETQVMVKRED EQAFAELNAA NPIFVEDAAR SFCLALQRDD RIGDFRVVAS HQESLHSHDA VSVLTEGPTF ASDSLDPRLF QTLFHVG
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	41,049 Da
Sequence Positions	1-367, 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 A8LS52
Species	Dinoroseobacter shibae (strain DFL 12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for folE2 recombinant protein	MBS1234615 is a recombinant protein targeting folE2. Also known as Recombinant Dinoroseobacter shibae GTP cyclohydrolase folE2 (folE2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of folE2 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 folE2. It may not necessarily be applicable to this product.

NCBI GI #	501130194
NCBI Accession #	WP_012179076.1
UniProt Primary Accession #	A8LS52
GenBank Nucleotide #	WP_012179076.1
NCBI Official Full Name	GTP cyclohydrolase I FolE2

UniProt Protein Name	GTP cyclohydrolase FolE2
Protein Family	GTP cyclohydrolase
UniProt Gene Name	folE2
UniProt Comments for folE2	Converts GTP to 7,8-dihydroneopterin triphosphate.
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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