Dihydrodipicolinate Reductase (dapB) Streptococcus Thermophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydrodipicolinate reductase (dapB), Recombinant Protein
Full Product Name	Recombinant Streptococcus thermophilus Dihydrodipicolinate reductase (dapB)
Product Gene Name	dapB recombinant protein
Product Synonym Gene Name	dapB
Sequence	MSIKVIVAGF KGRMGSTAVE MVKGDDELTL AALLDPFAAE KEVDGVPVFT DKADLVGFDA DVWVDFTIPA VAYENTRFAL ENGFAPVVGT TGFTEAQIQK LTDLSKDKSI GGLIAPNFAI GAILLMKFAA EASKYFPDLE IIELHHDKKK DAPSGTAVKT AELIREVRES KRQGAEDEME TLAGARGAEF DGFRIHSVRL PGLVAHQEVI FGAQGEGLTL RHDSYDRISF MSGVNLGIKE VVKRDQLVYG LEHLL
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	27,698 Da
Sequence Positions	1-255, 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 Q5M5P2
Species	Streptococcus thermophilus (strain BAA-250 / LMG 18311)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dapB recombinant protein	MBS1477656 is a recombinant protein targeting dapB. Also known as Recombinant Streptococcus thermophilus Dihydrodipicolinate reductase (dapB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dapB 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 dapB. It may not necessarily be applicable to this product.

NCBI GI #	490301884
NCBI Accession #	WP_004197279.1
UniProt Primary Accession #	Q5M5P2
GenBank Nucleotide #	WP_004197279.1
NCBI Official Full Name	4-hydroxy-tetrahydrodipicolinate reductase

UniProt Protein Name	4-hydroxy-tetrahydrodipicolinate reductase
Protein Family	4-hydroxy-tetrahydrodipicolinate reductase
UniProt Gene Name	dapB
UniProt Synonym Gene Names	HTPA reductase
UniProt Comments for dapB	Catalyzes the conversion of 4-hydroxy-tetrahydrodipicolinate (HTPA) to tetrahydrodipicolinate.
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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