UDP-N-Acetylenolpyruvoylglucosamine Reductase (murB) Thermoanaerobacter Tengcongensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-N-acetylenolpyruvoylglucosamine reductase (murB), Recombinant Protein
Full Product Name	Recombinant Thermoanaerobacter tengcongensis UDP-N-acetylenolpyruvoylglucosamine reductase (murB)
Product Gene Name	murB recombinant protein
Product Synonym Gene Name	murB; TTE1836
Product Synonym Names	UDP-N-acetylenolpyruvoylglucosamine reductase; EC=1.1.1.158; UDP-N-acetylmuramate dehydrogenase
Sequence	MAEILVDKLK EILKEGKLYL NEPMKRHTSF KIGGPADVLA VPGSRDELIN LIAYLRQEKI PFFILGNGTN LLVSEKGIRG VVVKLSSLRN VIVEGTKIIA EAGASLSYIA NVALVHELTG FEFASGIPGT LGGAIVMNAG AYGSEMKDVV EKVEVLDENN NILILSNQEM KFSYRYSILQ EKEWIVLRAW ISLERGNYEE IKKKMEELNQ RRKEKQPLDY PSAGSTFKRP PGYYAGKLIE DAGLKGYSIG GAKVSEKHSG FIINTGNATF YDVLNLIEYI QKVVKEKFGV ELMPEIKIVG EK
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	33,575 Da
Sequence Positions	1-302aa; 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 Q8R8Z6
Species	Thermoanaerobacter tengcongensis (strain DSM 15242 / JCM 11007 / NBRC 100824 / MB4) (Caldanaerobacter subterraneus subsp. tengcongensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murB recombinant protein	MBS1436845 is a recombinant protein targeting murB. Also known as Recombinant Thermoanaerobacter tengcongensis UDP-N-acetylenolpyruvoylglucosamine reductase (murB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of murB 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 murB. It may not necessarily be applicable to this product.

NCBI GI #	20808252
NCBI GeneID	997030

NCBI Accession #	NP_623423.1
UniProt Primary Accession #	Q8R8Z6
UniProt Related Accession #	Q8R8Z6
GenBank Nucleotide #	NC_003869.1
NCBI Official Full Name	UDP-N-acetylenolpyruvoylglucosamine reductase
NCBI Official Symbol	murB
UniProt Protein Name	UDP-N-acetylenolpyruvoylglucosamine reductase
UniProt Synonym Protein Names	UDP-N-acetylmuramate dehydrogenase
Protein Family	UDP-N-acetylenolpyruvoylglucosamine reductase
UniProt Gene Name	murB
UniProt Entry Name	MURB_THETN
NCBI Protein Information	UDP-N-acetylenolpyruvoylglucosamine reductase
UniProt Comments for murB	Cell wall formation.
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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