UDP-N-Acetylenolpyruvoylglucosamine Reductase (murB) Idiomarina Loihiensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-N-acetylenolpyruvoylglucosamine reductase (murB), Recombinant Protein
Full Product Name	Recombinant Idiomarina loihiensis UDP-N-acetylenolpyruvoylglucosamine reductase (murB)
Product Gene Name	murB recombinant protein
Product Synonym Gene Name	murB
Sequence	MIELAERHSF KLPAQCRALI ELKSSDDVEQ LAFEEPYYLL GEGSNTLFVD DFYGTVICNR LLGVCIEEQE SSYLITAAAG ENWHNFVADL RARSIDGLEN LALVPGSVGA APVQNVGAYG VEVSTFIEQV TAWDIKEKCW VSMNKEACQF AYRDSVFKQH PGRWLITSVV FRLPKDWQPV THYAPLNQLQ GHVSAQKIFD TVVEVRQKKL PDPKVIPNAG SFFKNPVINK AQLDGLLQKW PDMVYFPVAD NHVKVAAGWL IEHLGLKSAF VGDAAVNPHQ ALVLINKAQA TGSDITQLAL KIMKQVADAS GIMLEPEVRL VGQHGLVQLA VEK
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	36,876 Da
Sequence Positions	1-333, 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 Q5QY76
Species	Idiomarina loihiensis (strain BAA-735 / DSM 15497 / L2-TR)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murB recombinant protein	MBS1351742 is a recombinant protein targeting murB. Also known as Recombinant Idiomarina loihiensis 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 #	499554449
NCBI Accession #	WP_011235232.1
UniProt Primary Accession #	Q5QY76
GenBank Nucleotide #	WP_011235232.1

NCBI Official Full Name	UDP-N-acetylenolpyruvoylglucosamine reductase
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 Comments for murB	Cell wall formation.
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