UDP-N-Acetylenolpyruvoylglucosamine Reductase (murB) Shigella Sonnei Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-N-acetylenolpyruvoylglucosamine reductase (murB), Recombinant Protein
Full Product Name	Recombinant Shigella sonnei UDP-N-acetylenolpyruvoylglucosamine reductase (murB)
Product Gene Name	murB recombinant protein
Product Synonym Gene Name	murB
Sequence	MNHSLKPWNT FGIDHNAQHI VCAEDEQQLL NAWQHATAEG QPVLILGEGS NVLFLEDYRG TVIINRIKGI EIHDEPDAWY LHVGAGENWH RLVKYTLQEG MPGLENLALI PGCVGSSPIQ NIGAYGVELQ RVCAYVDCVE LATGKQVRLT AKECRFGYRD SIFKHEYQDR FAIVAVGLRL PKEWQPVLTY GDLTRLDPTT VTPQQVFNAV CHMRTTKLPD PKVNGNAGSF FKNPVVSAET AKALLAQFPT APNYPQAGGS VKLAAGWLID QCQLKGMQMG GAAVHRQQAL VLINEDNAKS EDVVQLAHHV RQKVGEKFNV WLEPEVRFIG ASGEVSAVET IS
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	37,785 Da
Sequence Positions	1-342, Full length
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 Q3YV08
Species	Shigella sonnei (strain Ss046)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murB recombinant protein	MBS1339239 is a recombinant protein targeting murB. Also known as Recombinant Shigella sonnei 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 #	446939413
NCBI Accession #	WP_001016669.1
UniProt Primary Accession #	Q3YV08
GenBank Nucleotide #	WP_001016669.1

NCBI Official Full Name	MULTISPECIES: 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.
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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