UDP-N-Acetylmuramate--L-Alanine Ligase (murC) Synechococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-N-acetylmuramate--L-alanine ligase (murC), Recombinant Protein
Full Product Name	Recombinant Synechococcus sp. UDP-N-acetylmuramate--L-alanine ligase (murC)
Product Gene Name	murC recombinant protein
Product Synonym Gene Name	murC
Sequence	MPVPSQPLPL HLDPLDPLLS TYHFVGIGGV GMSALAYILA KQGFRVSGSD IVANGRTRRL EALGVRFFQG HSSEGLVGDP QVVYSSAIRP TNPELAAALG KGLTVWHRAD LLAALFNRRS GIGVAGTHGK TTTSSMIGYV LLSAGWDPTL IIGGEVDAWD GNARLGKGEY WVAEVDESDG SLVRLYPKIG VITNIELDHP DHYADLGQVI RAFQQYGQQS QTLVACLDCP NVAAHLRVDV GYSLTGHPQA QYQARQILYT ASFTCAEIWE KGSLLGQLRL QVLGSHNLSN ALAAVAVGRQ LGLEFAVIAS ALAQFRGAHR RFEHKGEVGG VTFIDDYAHH PSEIRATLQA ARLQQRRVVA VFQPHRHSRL AALFQDFARC FGEADVVVIV PTYGAGEPAP EGSDSLRLAV AVAEHHPHVR YVSSLPQLPE VLPSVLQPGD LAVFLGAGDL NQQIIATMRA YAAQVREQPG QAKNPNFS
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	51,509 Da
Sequence Positions	1-478, 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 Q2JL88
Species	Synechococcus sp. (strain JA-2-3B'a(2-13)) (Cyanobacteria bacterium Yellowstone B-Prime)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murC recombinant protein	MBS1422109 is a recombinant protein targeting murC. Also known as Recombinant Synechococcus sp. UDP-N-acetylmuramate--L-alanine ligase (murC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of murC 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 murC. It may not necessarily be applicable to this product.

NCBI GI #	499752437
NCBI Accession #	WP_011433171.1
UniProt Primary Accession #	Q2JL88

GenBank Nucleotide #	WP_011433171.1
NCBI Official Full Name	UDP-N-acetylmuramate--alanine ligase
UniProt Protein Name	UDP-N-acetylmuramate--L-alanine ligase
UniProt Synonym Protein Names	UDP-N-acetylmuramoyl-L-alanine synthetase
Protein Family	Muscle-related coiled-coil protein
UniProt Gene Name	murC
UniProt Comments for murC	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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