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

PRODUCT OVERVIEW

Product Name	UDP-N-acetylmuramate--L-alanine ligase (murC), Recombinant Protein
Full Product Name	Recombinant Acinetobacter sp. UDP-N-acetylmuramate--L-alanine ligase (murC)
Product Gene Name	murC recombinant protein
Product Synonym Gene Name	murC
Sequence	MSPTTPADQA KKLIKVPEMR RIKHIYFVGI GGAGMCGIAE VLKNQGYKVS GSDIKASKTT AHLEQKGIKV YIGHTADNLK AVDVLVVSTA IDPENPEVKA AIENRIPVVR RAEMLGELMR YRHGIAVAGT HGKTTTTSLL TTMLAEENMD PTYVIGGLLN RTGVNAALGA SRFIVAEADE SDASFLYLQP MAAIITNVDA DHMDTYGGSF DKLKDTFVEF IHRLPFYGLA VVCGDDHNVR EIMPRFGRPT LTYGFNEDND IRAVDVVQEG MQSHFTVLRK DREPLRLTVN QPGLHNILNA LAAIGVATDE GVSDAAIARA LEGFSGVGRR FQVQGEFELG EGSVKLVDDY GHHPKEVEAT IKAARQSHPD RRLVMMFQPH RFSRTRDCFD DFVEVLSQVD QLLLLEVYPA GEKPIVGADS RTLARSIRLR GDVEPILVDP VEGNLPNIIQ KVLQPNDLLL TQGAGNVGAI SVDLAQQQLY LK
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	52,787 Da
Sequence Positions	1-482, 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 Q6F704
Species	Acinetobacter sp. (strain ADP1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murC recombinant protein	MBS1327123 is a recombinant protein targeting murC. Also known as Recombinant Acinetobacter 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 #	491061703
NCBI Accession #	WP_004923336.1
UniProt Primary Accession #	Q6F704
GenBank Nucleotide #	WP_004923336.1

NCBI Official Full Name	MULTISPECIES: UDP-N-acetylmuramate--L-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.
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