UDP-N-Acetylmuramate--L-Alanine Ligase (murC) Thermosynechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-N-acetylmuramate--L-alanine ligase (murC), Recombinant Protein
Full Product Name	Recombinant Thermosynechococcus elongatus UDP-N-acetylmuramate--L-alanine ligase (murC)
Product Gene Name	murC recombinant protein
Product Synonym Gene Name	murC
Sequence	MMEFNERPFH FIGIGGIGMS ALAYILAKKG LRVSGSDLRP NRLTEQLAEL GVQIFIGQSA ANLERYPFTP LPQVICSSAI RSDNPEYLAA QHLGCPIFHR SDVLAALMHR SQSIAVAGTH GKTTTSSMIA YLLLQAGLDP TIIVGGEVAA WQGNARVGQS RYLVAEADES DGSLRKFHPH IGVITNIELD HPDHYNSLEE VVATFQQFAD QAEIVIACAD CPNIRDRLHH PRLLTYSLQR QAAVDYCVDH IQYTAEGTTA RVWERGTSLG ILQLNVLGAH NLQNALAVIA VGRYLGIDFA TIAAALLEFR GARRRFEERG QVNGIRFIDD YAHHPSEIMA TLEAARLQVG TQTPWQRIVA VFQPHRYSRT QTLLKAFGQC FTAADHVIFT DIYSAGEPDP GTISGADVAT CARQYHASVD YCPTLEAVQT RLAHLLQPGD LVIFLGAGNL NQLIPSVMAD QEQFSVSSLT EAIAL
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	52,008 Da
Sequence Positions	1-475, 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 Q8DLV5
Species	Thermosynechococcus elongatus (strain BP-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murC recombinant protein	MBS1355736 is a recombinant protein targeting murC. Also known as Recombinant Thermosynechococcus elongatus 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 #	22297914
NCBI GeneID	1012616

NCBI Accession #	NP_681161.1
UniProt Primary Accession #	Q8DLV5
UniProt Related Accession #	Q8DLV5
GenBank Nucleotide #	NC_004113.1
NCBI Official Full Name	UDP-N-acetylmuramate--L-alanine ligase
NCBI Official Symbol	murC
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
NCBI Protein Information	UDP-N-acetylmuramate--L-alanine ligase
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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