UDP-N-Acetylglucosamine 1-Carboxyvinyltransferase 2 (murA2) Streptococcus Thermophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-N-acetylglucosamine 1-carboxyvinyltransferase 2 (murA2), Recombinant Protein
Full Product Name	Recombinant Streptococcus thermophilus UDP-N-acetylglucosamine 1-carboxyvinyltransferase 2 (murA2)
Product Gene Name	murA2 recombinant protein
Product Synonym Gene Name	murA2
Sequence	MRKIIINGGK KLQGEVTVSG AKNSVVALIP AIILSDGVVT LDGVPAISDV DNLIEIIEVM GGSVKRDGET LEIDPRGVKD MPMPFGKINS LRASYYFYGS LLGRYGQAIV GLPGGCDLGP RPIDLHLKAF EAMGASIFYE GEAMRIATDA GQRIKGAHIY MDTVSVGATI NTMLAAAKAD GRTVIENAAR EPEIIDVATL LNNMGARVRG AGTEVITIEG VESLHGTRHQ VIPDRIEAGS YIAMAAAIGK GIKIKNVLYE HLESFICKLE AMGVRMTVEE DAIFVEEQGD LKPVDIKTSP YPGFATDLQQ PMTPLLLKAS GRGKIIDTIY EKRVNHVPEL ARMGADIQVL GGQIVYNGPT QLSGAPVKAS DLRAGAALVT AGLMADGQTE ITNIEFILRG YSNIIENLSD LGADIRLIED
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	44,812 Da
Sequence Positions	1-420, 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 Q5LYL3
Species	Streptococcus thermophilus (strain CNRZ 1066)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murA2 recombinant protein	MBS1354451 is a recombinant protein targeting murA2. Also known as Recombinant Streptococcus thermophilus UDP-N-acetylglucosamine 1-carboxyvinyltransferase 2 (murA2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of murA2 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 murA2. It may not necessarily be applicable to this product.

NCBI GI #	754217600
NCBI Accession #	WP_041827084.1
UniProt Primary Accession #	Q5LYL3

GenBank Nucleotide #	WP_041827084.1
NCBI Official Full Name	UDP-N-acetylglucosamine 1-carboxyvinyltransferase
UniProt Protein Name	UDP-N-acetylglucosamine 1-carboxyvinyltransferase 2
UniProt Synonym Protein Names	Enoylpyruvate transferase 2
Protein Family	UDP-N-acetylglucosamine 1-carboxyvinyltransferase
UniProt Gene Name	murA2
UniProt Synonym Gene Names	EPT 2
UniProt Comments for murA2	Cell wall formation. Adds enolpyruvyl to UDP-N-acetylglucosamine.
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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