UDP-N-Acetylglucosamine 1-Carboxyvinyltransferase (murA) Corynebacterium Glutamicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-N-acetylglucosamine 1-carboxyvinyltransferase (murA), Recombinant Protein
Full Product Name	Recombinant Corynebacterium glutamicum UDP-N-acetylglucosamine 1-carboxyvinyltransferase (murA)
Product Gene Name	murA recombinant protein
Product Synonym Gene Name	murA
Sequence	MKDKFLVTGG AQLQGAVKVY GAKNSVLKLM AAALLAEGTT TLTNCPEILD VPLMRDVLVG LGCDVTIDGS TVTITTPAEL SSNADFPAVT QFRASVCVLG PLTARCGRAV VSLPGGDAIG SRPLDMHQSG LEKLGATTRI SHGAVVAEAE KLVGANITLD FPSVGATENI LTASVMAEGR TVLDNAAREP EIVDLCRMLR SMGANIEGEG SPTITIEGVE KLTPTQHEVI GDRIVAGTWA YAAAMTRGDI TVGGIAPRYL HLPLEKLKIA GAKVETYENG FRVQMDKQPE ATDYQTLPFP GFPTDLQPMA IGINAVSNGT SVITENVFES RFRFVDEMLR LGADANVDGH HVVIRGIEQL SSTSVWSSDI RAGAGLVLAA LCADGVTEVH DVFHIDRGYP NFVENLQKLG ATIERVSS
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	44,197 Da
Sequence Positions	1-418, 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 Q8NML5
Species	Corynebacterium glutamicum (strain 13032 / DSM 20300 / JCM 1318 / LMG 3730 / NCIMB 10025)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murA recombinant protein	MBS1362669 is a recombinant protein targeting murA. Also known as Recombinant Corynebacterium glutamicum UDP-N-acetylglucosamine 1-carboxyvinyltransferase (murA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of murA 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 murA. It may not necessarily be applicable to this product.

NCBI GI #	19553755
NCBI GeneID	1020505
NCBI Accession #	NP_601757.1

UniProt Primary Accession #	Q8NML5
UniProt Related Accession #	Q8NML5
GenBank Nucleotide #	NC_003450.3
NCBI Official Full Name	UDP-N-acetylglucosamine 1-carboxyvinyltransferase
NCBI Official Symbol	NCgl2470
NCBI Official Synonym Symbols	Cgl2558
UniProt Protein Name	UDP-N-acetylglucosamine 1-carboxyvinyltransferase
UniProt Synonym Protein Names	Enoylpyruvate transferase
UniProt Gene Name	murA
UniProt Synonym Gene Names	EPT
NCBI Protein Information	UDP-N-acetylglucosamine 1-carboxyvinyltransferase
UniProt Comments for murA	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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