UDP-N-Acetylglucosamine 1-Carboxyvinyltransferase (murA) Treponema Pallidum Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-N-acetylglucosamine 1-carboxyvinyltransferase (murA), Recombinant Protein
Full Product Name	Recombinant Treponema pallidum UDP-N-acetylglucosamine 1-carboxyvinyltransferase (murA)
Product Gene Name	murA recombinant protein
Sequence	MSCYRVEGGF PVSGCIRVCG NKNAALPCIA AAVLTQEPVL LQNVPDIEDV AVMLTIFRAF GGSVERRGNH EYMLHLPQLQ TCEVPCEAAQ KVRASILFAG PLLARGRKAV LPPPGGDVIG RRRLDTHFLA LAALGAQVRL DGVFTFSANK LVGCDVFLDE ASVTATENVL MASVLAEGVT VITNAASEPH VQDLCHLLNA MGARVSGIGS NVLTIEGVSA LHGTTYTLGA DFMEVGSLIG LAVVTRGALT ISDVNVRDLR PLGFAFKKLG VIWSEQEHAV SVSASQDLRV NYDFGGMIPK IDDGPWPAFP PDLTSIMTVV ATQVEGVILI HEKMFESRMF FVDKLITMGA RIILCDPHRA LVSGPSALHG SDLVSPDVRA GMAMVLAACC ARGVSIIRNV YQIERGYERL VERLQAIGVR IWKEG
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	45,542 Da
Sequence Positions	1-425, 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 O54312
Species	Treponema pallidum (strain Nichols)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murA recombinant protein	MBS1162670 is a recombinant protein targeting murA. Also known as Recombinant Treponema pallidum 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 #	499183938
NCBI Accession #	WP_010881478.1
UniProt Primary Accession #	O54312
GenBank Nucleotide #	WP_010881478.1

NCBI Official Full Name	UDP-N-acetylglucosamine 1-carboxyvinyltransferase
UniProt Protein Name	UDP-N-acetylglucosamine 1-carboxyvinyltransferase
UniProt Synonym Protein Names	Enoylpyruvate transferase
UniProt Gene Name	murA
UniProt Synonym Gene Names	EPT
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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