Phospho-N-Acetylmuramoyl-Pentapeptide-Transferase (mraY) Cyanothece Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phospho-N-acetylmuramoyl-pentapeptide-transferase (mraY), Recombinant Protein
Full Product Name	Recombinant Cyanothece sp. Phospho-N-acetylmuramoyl-pentapeptide-transferase (mraY), partial
Product Gene Name	mraY recombinant protein
Sequence	MDAKIPPLTP FKKPSGTSLL ILLILLLGLL CLGFAQILDL SSISLSLLFP LAVSAICSAI LGYVVVPVLR RLKAGQVIQE DGPQTHLKKA GTPTMGGIFF VPVAVIIALI WSKLDPAVLA VSIVTLAYMG IGWIDDWQIL RQKSNKGLTP RMKLILQIAI AVGFCIWTFL TQSADLTNIA LPGQIILPLG LFFWIIAGFV LVAESNATNL TDGVDGLAGG TGSLAFLGLA ALMASNNPGL MIFCACMSGG CLGFIVHNRN PATVFMGDTG SLALGGSLGA IGILSGHVWG LFLVSGIFFV ESLSVIAQVS YYKATKGPDG KGKRLLKMAP LHHHLELSGW AETQIVGLFY LINAGLAVLA VISS
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	38,292 Da
Sequence Positions	1-364
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 B7JVF4
Species	Cyanothece sp. (strain PCC 8801) (Synechococcus sp. (strain PCC 8801 / RF-1))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mraY recombinant protein	MBS1244928 is a recombinant protein targeting mraY. Also known as Recombinant Cyanothece sp. Phospho-N-acetylmuramoyl-pentapeptide-transferase (mraY), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mraY 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 mraY. It may not necessarily be applicable to this product.

NCBI GI #	506265567
NCBI Accession #	WP_015785342.1
UniProt Primary Accession #	B7JVF4
GenBank Nucleotide #	WP_015785342.1
NCBI Official Full Name	MULTISPECIES: phospho-N-acetylmuramoyl-pentapeptide-transferase

UniProt Protein Name	Phospho-N-acetylmuramoyl-pentapeptide-transferase
UniProt Synonym Protein Names	UDP-MurNAc-pentapeptide phosphotransferase
Protein Family	Phospho-N-acetylmuramoyl-pentapeptide-transferase
UniProt Gene Name	mraY
UniProt Comments for mraY	First step of the lipid cycle reactions in the biosynthesis of the cell wall peptidoglycan.
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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