Xanthan Biosynthesis Protein Xanb (xanB) Xanthomonas Campestris Pv. Campestris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Xanthan biosynthesis protein xanB (xanB), Recombinant Protein
Full Product Name	Recombinant Xanthomonas campestris pv. campestris Xanthan biosynthesis protein xanB (xanB)
Product Gene Name	xanB recombinant protein
Sequence	MSDVLPIILS GGSGTRLWPL SRETYPKQFL PLVGEHSMLQ ATWLRSAPVA AHAPIVVANE EHRFMAAEQL QQLGVKPSAI LLEPKGRNTA PAIAVAALEA TRNGGDPLLL VLPSDHVIRD EAAFQAAVTV AAAAAEQGKL VTFGIKPTAP ETGYGYIKAG AGTGATAVER FVEKPDLATA QGYLASGEYY WNSGMFLFRA SRYLEELRKF QPAIADACQK AWEGGKRDAD FTRLDKDAFA SSPSDSIDYA VMEKTADAVV VPLDAGWNDV GSWSSLLDVS EQDGQGNAHH GDVIQLDCKN TYAYGSRLIA MVGLENVVVV ETDDAVLVGH RDRIQEVKEV VSQIKSAGRS EATWHRKVYR PWGAYDSIDM GQRFQVKRIT VKPGATLSLQ MHHHRAEHWI VVSGTAEVTR GDEVLLLTEN QSTYIPLGVT HRLKNPGKLP LELIEVQSGS YLGEDDIVRF EDTYGRT
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	50,934 Da
Sequence Positions	1-467, 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 B0RVK6
Species	Xanthomonas campestris pv. campestris (strain B100)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for xanB recombinant protein	MBS1253242 is a recombinant protein targeting xanB. Also known as Recombinant Xanthomonas campestris pv. campestris Xanthan biosynthesis protein xanB (xanB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of xanB 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 xanB. It may not necessarily be applicable to this product.

NCBI GI #	189030074
NCBI Accession #	B0RVK6.1
UniProt Primary Accession #	B0RVK6
UniProt Secondary Accession #	P29956; Q93S98

NCBI Official Full Name	Xanthan biosynthesis protein XanB
UniProt Protein Name	Xanthan biosynthesis protein XanB
UniProt Synonym Protein Names	Mannose-6-phosphate isomerase (EC:5.3.1.8)Alternative name(s):Phosphohexomutase; Phosphomannose isomerase; PMI
Protein Family	Xanthan biosynthesis protein
UniProt Gene Name	xanB
UniProt Synonym Gene Names	PMI; GMP; GMPP
UniProt Comments for xanB	Involved in xanthan production.
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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