Xylose Isomerase (xylA) Pseudomonas Syringae Pv. Tomato Recombinant Protein

PRODUCT OVERVIEW

Product Name	Xylose isomerase (xylA), Recombinant Protein
Full Product Name	Recombinant Pseudomonas syringae pv. tomato Xylose isomerase (xylA)
Product Gene Name	xylA recombinant protein
Product Synonym Gene Name	xylA
Sequence	MSYFPTVDKV IYEGPDSDSP LAFRHYDADK RVLGKPMREH LRMAACYWHT FVWPGADMFG VGTFKRPWQR AGDPMELAIG KAEAAFEFFS KLGIDYYSFH DTDVAPEGSS IKEYRNNFAQ MVDRLERHQE QSGIKLLWGT ANCFSNPRFA AGAASNPDPE VFAYAGAQVF SAMNATQRLK GSNYVLWGGR EGYETLLNTD LKREREQLGR FMRMVVEHKH KIGFKGDLLI EPKPQEPTKH QYDYDSATVF GFLHQYGLQD EIKVNIEANH ATLAGHSFHH EIATAVSLGI FGSIDANRGD PQNGWDTDQF PNSVEEMTLA TYEILKAGGF THGGYNFDSK VRRQSLDDVD LFHGHVAAMD VLALSLERAA AMVQNDKLQQ FKDQRYAGWQ QPFGQSVLSG GFSLASLAEH AFANELNPQA VSGRQELLEG VVNRFIYT
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	49,248 Da
Sequence Positions	1-438, 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 Q880Z4
Species	Pseudomonas syringae pv. tomato (strain DC3000)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for xylA recombinant protein	MBS1384788 is a recombinant protein targeting xylA. Also known as Recombinant Pseudomonas syringae pv. tomato Xylose isomerase (xylA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of xylA 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 xylA. It may not necessarily be applicable to this product.

NCBI GI #	28870180
NCBI GeneID	1184658
NCBI Accession #	NP_792799.1
UniProt Primary Accession #	Q880Z4

UniProt Related Accession #	Q880Z4
GenBank Nucleotide #	NC_004578.1
NCBI Official Full Name	xylose isomerase
NCBI Official Symbol	xylA
UniProt Protein Name	Xylose isomerase
Protein Family	Xylene monooxygenase electron transfer component
UniProt Gene Name	xylA
NCBI Protein Information	xylose isomerase
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