Xylose Isomerase (xylA) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Xylose isomerase (xylA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O17:K52:H18 Xylose isomerase (xylA)
Product Gene Name	xylA recombinant protein
Sequence	MQAYFDQLDR VRYEGSKSSN PLAFHHYNPD ELVLGKRMEE HLRFAACYWH TFCWNGADMF GVGAFNRPWQ QPGEALALAK RKADVAFEFF HKLHVPFYCF HDVDVSPEGA SLKEYINNFA QMVDVLAGKQ EESGVKLLWG TANCFTNPRY GAGAATNPDP EVFSWAATQV VTAMEATHKL GGENYVLWGG REGYETLLNT DLRQEREQLG RFMQMVVEHK HKIGFQGTLL IEPKPQEPTK HQYDYDAATV YGFLKQFGLE KEIKLNIEAN HATLAGHSFH HEIATAIALG LFGSVDANRG DAQLGWDTDQ FPNSVEENAL VMYEILKAGG FTTGGLNFDA KVRRQSTDKY DLFYGHIGAM DTMALALKIA ARMIEDGELD KRIAQRYSGW NSELGQQILK GQMSLADLAK YAQEHNLSPV HQSGRQEQLE NLVNHYLFDK
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	49,700 Da
Sequence Positions	1-440, 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 B7NEL7
Species	Escherichia coli O17:K52:H18 (strain UMN026 / ExPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for xylA recombinant protein	MBS1264726 is a recombinant protein targeting xylA. Also known as Recombinant Escherichia coli O17:K52:H18 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 #	447072317
NCBI Accession #	WP_001149573.1
UniProt Primary Accession #	B7NEL7
GenBank Nucleotide #	WP_001149573.1
NCBI Official Full Name	MULTISPECIES: xylose isomerase

UniProt Protein Name	Xylose isomerase
Protein Family	Xylene monooxygenase electron transfer component
UniProt Gene Name	xylA
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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