Triosephosphate Isomerase (tpiA) Borrelia Afzelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Triosephosphate isomerase (tpiA), Recombinant Protein
Full Product Name	Recombinant Borrelia afzelii Triosephosphate isomerase (tpiA)
Product Gene Name	tpiA recombinant protein
Product Synonym Gene Name	tpiA
Sequence	MRKTFLAGNW KMHYTSAEAS IVAKQIATEV KTLNDDFVIM ITPPFTALSK VSECIKGSNI LLGAQNMSYM ESGARTSEIS PSMLLEFGVE YVILGHSECR LYLAETDEII NKKIRAGLKH SFKYLILCVG ETLDERDSGK TLDVVLSQVK KGLDCVSESD IKRIILAYEP VWAIGTGKTA TKEEAEEVHK AIRLEIMKLY SKSASDNIII QYGGSVNASN IKELMNEPNI DGALIGGASL KAESFLSIIN NVR
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	27,830 Da
Sequence Positions	1-253, 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 Q0SPB0
Species	Borrelia afzelii (strain PKo)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tpiA recombinant protein	MBS1433467 is a recombinant protein targeting tpiA. Also known as Recombinant Borrelia afzelii Triosephosphate isomerase (tpiA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tpiA 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 tpiA. It may not necessarily be applicable to this product.

NCBI GI #	490928446
NCBI Accession #	WP_004790299.1
UniProt Primary Accession #	Q0SPB0
UniProt Secondary Accession #	G0IQQ1
GenBank Nucleotide #	WP_004790299.1

NCBI Official Full Name	triose-phosphate isomerase
UniProt Protein Name	Triosephosphate isomerase
UniProt Synonym Protein Names	Triose-phosphate isomerase
Protein Family	Triosephosphate isomerase
UniProt Gene Name	tpiA
UniProt Synonym Gene Names	TIM; TPI
UniProt Comments for tpiA	Involved in the gluconeogenesis. Catalyzes stereospecifically the conversion of dihydroxyacetone phosphate (DHAP) to D-glyceraldehyde-3-phosphate (G3P).
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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