Putative Ribose 1,5-Bisphosphate Isomerase (TK0434) Pyrococcus Kodakaraensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative ribose 1,5-bisphosphate isomerase (TK0434), Recombinant Protein
Full Product Name	Recombinant Pyrococcus kodakaraensis Putative ribose 1,5-bisphosphate isomerase (TK0434)
Product Gene Name	TK0434 recombinant protein
Product Synonym Names	Putative ribose 1,5-bisphosphate isomerase; EC=5.3.1.n2; Ribulose 1,5-bisphosphate synthase; RuBP synthase
Sequence	MREIEISRAI VEAYFNDLLQ NLQLDIAIVG AGPSGMVAGY YLAKGGAKVA IFEKKLSVGG GIWGGAMGFN RVVVQESARE ILDEFGVDYS QVGNGLYVLD SIELASTLAS KAVKAGAKIF NMVEVEDLVV KDGRVSGLVI NWTPVMMTGL HVDPLTVEAK FVVDSTGHGA QISQHLLKRG LIKAIPGEGP MWAEKGEELT VEHTREVFPG LYATGMAANA LAGAPRMGPI FGGMLLSGRK AALEILQKLG K
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	26,641 Da
Sequence Positions	1-251aa; 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 Q5JD25
Species	Pyrococcus kodakaraensis (strain BAA-918 / JCM 12380 / KOD1) (Thermococcus kodakaraensis (strain KOD1))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TK0434 recombinant protein	MBS1416595 is a recombinant protein targeting TK0434. Also known as Recombinant Pyrococcus kodakaraensis Putative ribose 1,5-bisphosphate isomerase (TK0434). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TK0434 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 TK0434. It may not necessarily be applicable to this product.

NCBI GI #	57640369
NCBI GeneID	3234250
NCBI Accession #	YP_182847.1
UniProt Primary Accession #	Q5JD25

UniProt Related Accession #	Q5JD25
GenBank Nucleotide #	NC_006624.1
NCBI Official Full Name	ribulose-1,5-biphosphate synthetase
NCBI Official Symbol	TK0434
UniProt Protein Name	Putative ribose 1,5-bisphosphate isomerase
UniProt Synonym Protein Names	Ribulose 1,5-bisphosphate synthase
UniProt Gene Name	TK0434
UniProt Synonym Gene Names	RuBP synthase
UniProt Entry Name	RUBPS_THEKO
NCBI Protein Information	ribulose-1,5-biphosphate synthetase
UniProt Comments for TK0434	Catalyzes the conversion of ribose 1,5-bisphosphate to ribulose 1,5-bisphosphate (RuBP), the CO2 acceptor and substrate for RubisCO.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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