Ribose-5-Phosphate Isomerase A (rpiA) Escherichia Coli O45:k1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribose-5-phosphate isomerase A (rpiA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O45:K1 Ribose-5-phosphate isomerase A (rpiA)
Product Gene Name	rpiA recombinant protein
Sequence	MTQDELKKAV GWAALQYVQP GTIVGVGTGS TAAHFIDALG TMKGQIEGAV SSSDASTEKL KSLGIHVFDL NEVDSLGIYV DGADEINGHM QMIKGGGAAL TREKIIASVA EKFICIADAS KQVDILGKFP LPVEVIPMAR SAVARQLVKL GGRPEYRQGV VTDNGNVILD VHGMEILDPI AMENAINAIP GVVTVGLFAN RGADVALIGT PDGVKTIVK
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	22,860 Da
Sequence Positions	1-219, 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 B7MM99
Species	Escherichia coli O45:K1 (strain S88 / ExPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpiA recombinant protein	MBS1167437 is a recombinant protein targeting rpiA. Also known as Recombinant Escherichia coli O45:K1 Ribose-5-phosphate isomerase A (rpiA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpiA 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 rpiA. It may not necessarily be applicable to this product.

NCBI GI #	446111888
NCBI Accession #	WP_000189743.1
UniProt Primary Accession #	B7MM99
GenBank Nucleotide #	WP_000189743.1
NCBI Official Full Name	MULTISPECIES: ribose-5-phosphate isomerase
UniProt Protein Name	Ribose-5-phosphate isomerase A

UniProt Synonym Protein Names	Phosphoriboisomerase A
Protein Family	Ribose-5-phosphate isomerase
UniProt Gene Name	rpiA
UniProt Synonym Gene Names	PRI
UniProt Comments for rpiA	Catalyzes the reversible conversion of ribose-5-phosphate to ribulose 5-phosphate.
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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