# Ribose-5-Phosphate Isomerase A (rpiA) Methylobacterium Chloromethanicum Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ribose-5-phosphate isomerase A (rpiA), Recombinant Protein |
| **Full Product Name** | Recombinant Methylobacterium chloromethanicum Ribose-5-phosphate isomerase A (rpiA) |
| **Product Gene Name** | rpiA recombinant protein |
| **Sequence** | MSAPDLKRAA AERAIPLVED GMRLGIGTGS TAAAFIKLLG ERVRAGLKVT GVPTSEATRI ACEREGIPLA TLEDLPELDL TIDGADEVDG SLRLIKGGGA ALLREKIVAV ASRRMVVIAD ASKHVETLGA FPLPVEVNLF GIGATTRAVE AAVARAGCTG EIVRRHEASG APLLTDGGHA ILDLRLGRIP DPEALSAGLW AVPGVVEHGL FLGIADAAIL AAAEGDTAVV SVLGRL |
| **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** | 24,166 Da |
| **Sequence Positions** | 1-236, 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 B7L2C9 |
| **Species** | Methylobacterium chloromethanicum (strain CM4 / NCIMB 13688) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rpiA recombinant protein** | MBS1254386 is a recombinant protein targeting rpiA. Also known as Recombinant Methylobacterium chloromethanicum 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.

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| **NCBI GI #** | 506431230 |
| **NCBI Accession #** | WP_015950947.1 |
| **UniProt Primary Accession #** | B7L2C9 |
| **GenBank Nucleotide #** | WP_015950947.1 |
| **NCBI Official Full Name** | ribose-5-phosphate isomerase |

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| **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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