# Phosphopentomutase (deoB) Shewanella Sp. Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Phosphopentomutase (deoB), Recombinant Protein |
| **Full Product Name** | Recombinant Shewanella sp. Phosphopentomutase (deoB) |
| **Product Gene Name** | deoB recombinant protein |
| **Product Synonym Gene Name** | deoB |
| **Sequence** | MKRTVIMMLD SFGVGAAGDA AKFGDLGSDT FGHIAKACAE GKADIGREGP LTLPNLARLG LAHAAMESTG AFAPGFADDV ELIGAYGHAQ ELSSGKDTPS GHWEMAGVPV LFDWGYFSEH QNSFPKELTD KILARAGLDG FLGNCHASGT TILEELGEEH MRSGKPIFYT SADSVFQIAC HEGTFGLENL YRLCEIAREE LEPYNIGRVI ARPFDGTGPN DFARTGNRKD YSLEPPAKTV LDKLKAAGGE VVSVGKIADI YAYCGITKKV KANGLEALFD ATLAEVKSAG ENTIVFTNFV DFDSHYGHRR DVAGYAKGLE YFDSRLPEML SLLDEDDLLI LTADHGCDPT WQGTDHTREY VPVLAYGAGL KAGSLGRRNS FADIGQSIAS YFKLEPMEYG ESFI |
| **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** | 43,625 Da |
| **Sequence Positions** | 1-404, 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 Q0HXQ2 |
| **Species** | Shewanella sp. (strain MR-7) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for deoB recombinant protein** | MBS1362516 is a recombinant protein targeting deoB. Also known as Recombinant Shewanella sp. Phosphopentomutase (deoB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of deoB 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 deoB. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499944769 |
| **NCBI Accession #** | WP_011625503.1 |
| **UniProt Primary Accession #** | Q0HXQ2 |
| **GenBank Nucleotide #** | WP_011625503.1 |

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| **NCBI Official Full Name** | phosphopentomutase |
| **UniProt Protein Name** | Phosphopentomutase |
| **UniProt Synonym Protein Names** | Phosphodeoxyribomutase |
| **Protein Family** | Phosphopentomutase |
| **UniProt Gene Name** | deoB |
| **UniProt Comments for deoB** | Phosphotransfer between the C1 and C5 carbon atoms of pentose. |
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