# Mannonate Dehydratase (uxuA) Propionibacterium Acnes Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Mannonate dehydratase (uxuA), Recombinant Protein |
| **Full Product Name** | Recombinant Propionibacterium acnes Mannonate dehydratase (uxuA) |
| **Product Gene Name** | uxuA recombinant protein |
| **Product Synonym Gene Name** | uxuA |
| **Sequence** | MKMTFRWYGA ETDPITLENI RQIPGVSGIM GAMDWIPVGE MWSDEEISSY VRKVNDAGLE CEVIESVNVH EDIKLGKPSR DIYIANYCKT LENLAAHGIK VVVYNFMPVF DWLRTELFHR NEDGSTCLYY DHEELVGLTP QDIVKATLDS SAFPLPGWEP ERLADLDEVM AQYTDMPRDQ LRNNYRYFLE GIVPTCEKVG IRMAVHPDDP AWGIFGIPRI VHSDSDLQRI VDLVNSPANS LCVCAGSLGS NPDNDVPAIL AKYGDMGRVA AAHVRNVKFL GSKKFKEASH LSSDGSLDMY AIMKSIHDHC SNSYIRPDHG RMIWGETGRP GYPLYDRALG ITYLNGLWEA IEKASAY |
| **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** | 40,130 Da |
| **Sequence Positions** | 1-357, 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 Q6A5D2 |
| **Species** | Propionibacterium acnes (strain KPA171202 / DSM 16379) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for uxuA recombinant protein** | MBS1458738 is a recombinant protein targeting uxuA. Also known as Recombinant Propionibacterium acnes Mannonate dehydratase (uxuA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of uxuA 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 uxuA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 488472162 |
| **NCBI Accession #** | WP_002515832.1 |
| **UniProt Primary Accession #** | Q6A5D2 |
| **GenBank Nucleotide #** | WP_002515832.1 |

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| **NCBI Official Full Name** | MULTISPECIES: mannonate dehydratase |
| **UniProt Protein Name** | Mannonate dehydratase |
| **UniProt Synonym Protein Names** | D-mannonate hydro-lyase |
| **Protein Family** | Mannonate dehydratase |
| **UniProt Gene Name** | uxuA |
| **UniProt Comments for uxuA** | Catalyzes the dehydration of D-mannonate. |
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