# Altronate Oxidoreductase (uxaB) Yersinia Pestis Bv. Antiqua Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Altronate oxidoreductase (uxaB), Recombinant Protein |
| **Full Product Name** | Recombinant Yersinia pestis bv. Antiqua Altronate oxidoreductase (uxaB) |
| **Product Gene Name** | uxaB recombinant protein |
| **Product Synonym Gene Name** | uxaB |
| **Sequence** | MQTLNRRDFP GRSHPDKIIQ FGEGNFLRAF VDWQIDLLNE HTDLNAGIVV IRPIDTDFPP SLSTQDGLYT AVIRGLNEQG EAVRESRLIR SVNREINIYR QFDDYLALAR DANIRFMFSN TTEAGIAWNE ADQFSDAPPS SFPAKLTRLL FERFEHFDGA ADKGWVLLPC ELIDYNGEAL RELVLRYASH WQLPAAFTHW LTENNTFCST LVDRIVTGYP RDEVAALQTE LGYQDSFLDT AEYFYLFVIQ GPQGLAQELR LDQLDLNVRI VDDIKPYKER KVAILNGAHT ALVPVAYLSG LDTVGQTMDD AQISRFVEKT ITEEIVPVLD LPEDELLSFS QAVLSRFRNP FIQHQLLSIA LNGMTKFRTR ILPQLLTYQQ QKGQLPPRLT FALAALIAFY RGEREGQTYP LQDDAHWLER YSTLWNGVKH GDIALAELVN RVLSDANHWG QDLTAVPQLA NQVTEQLQTI LSRGMRAAVA AYS |
| **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** | 54,907 Da |
| **Sequence Positions** | 1-483, Full length |
| **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 Q1CMJ9 |
| **Species** | Yersinia pestis bv. Antiqua (strain Nepal516) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for uxaB recombinant protein** | MBS1328670 is a recombinant protein targeting uxaB. Also known as Recombinant Yersinia pestis bv. Antiqua Altronate oxidoreductase (uxaB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of uxaB 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 uxaB. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 488139201 |
| **NCBI Accession #** | WP_002210409.1 |
| **UniProt Primary Accession #** | Q1CMJ9 |
| **UniProt Secondary Accession #** | C4GP05 |

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| **GenBank Nucleotide #** | WP_002210409.1 |
| **NCBI Official Full Name** | altronate oxidoreductase |
| **UniProt Protein Name** | Altronate oxidoreductase |
| **UniProt Synonym Protein Names** | Tagaturonate dehydrogenase |
| **Protein Family** | Altronate oxidoreductase |
| **UniProt Gene Name** | uxaB |
| **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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