Mannonate Dehydratase (uxuA) Clostridium Phytofermentans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mannonate dehydratase (uxuA), Recombinant Protein
Full Product Name	Recombinant Clostridium phytofermentans Mannonate dehydratase (uxuA)
Product Gene Name	uxuA recombinant protein
Sequence	MKMTFRWYGE GNDSITLKQI KQIPGCSGLM GVIDQYAAGE VWEESVIAEY VEHVHKAGLE VEVIESVNVH EDIKLGLPSR ELYIENYIKT IRNLAKHGIK VIVYNFMPVL DWLRTDLARV IEEDGSNSLY YDEEELLGLT PLQIVENTSK SSNGFTLPGW EPERLKELEN VLALYKNIDP DKLRENYKYF LEKVIPVCEE CGVKMAVHPD DPAWPIFGLP RIAHSEELFD KILELYDSES HTICLCTGSL GSNPENNIPE IIRHFGGKNR VGCFHVRNVK YLGYRKFRES SHLSSDGSLD MFEIMKAIHE TAPDTYIRPD HGRMIWDEVG RPGYGLYDRA LGIAYLNGIW EALEKSSK
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	40,930 Da
Sequence Positions	1-358, 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 A9KMJ6
Species	Clostridium phytofermentans (strain 700394 / DSM 18823 / ISDg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for uxuA recombinant protein	MBS1095912 is a recombinant protein targeting uxuA. Also known as Recombinant Clostridium phytofermentans 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.

NCBI GI #	501154436
NCBI Accession #	WP_012199087.1
UniProt Primary Accession #	A9KMJ6
GenBank Nucleotide #	WP_012199087.1
NCBI Official Full Name	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.
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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