Probable Nitronate Monooxygenase (MW0803) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable nitronate monooxygenase (MW0803), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Probable nitronate monooxygenase (MW0803)
Product Gene Name	MW0803 recombinant protein
Product Synonym Gene Name	MW0803
Sequence	MWNKNRLTQM LSIEYPIIQA GMAGSTTPKL VASVSNSGGL GTIGAGYFNT QQLEDEIDYV RQLTSNSFGV NVFVPSQQSY TSSQIENMNA WLKPYRRALH LEEPVVKITE EQQFKCHIDT TIKKQVPVCC FTFGIPSESI IKRLKEANIK LIGTATSVDE AIANEKAGMD AIVAQGSEAG GHRGSFLKPK NQLPMVGTIS LVPQIVDVVS IPVIAAGGIM DGRGVLASIV LGAEGVQMGT AFLTSQDSNA SELLRDAIIN SKETDTVVTK AFSGKLARGI NNRFIEEMSQ YEGDIPDYPI QNELTSSIRK AAANIGDKEL THMWSGQSPR LATTHPANTI MSNIINQINQ IMQYK
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	38,582 Da
Sequence Positions	1-355, 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 Q8NXG7
Species	Staphylococcus aureus (strain MW2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MW0803 recombinant protein	MBS1421822 is a recombinant protein targeting MW0803. Also known as Recombinant Staphylococcus aureus Probable nitronate monooxygenase (MW0803). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MW0803 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 MW0803. It may not necessarily be applicable to this product.

NCBI GI #	446189399
NCBI Accession #	WP_000267254.1
UniProt Primary Accession #	Q8NXG7

GenBank Nucleotide #	WP_000267254.1
NCBI Official Full Name	nitronate monooxygenase
UniProt Protein Name	Probable nitronate monooxygenase
UniProt Synonym Protein Names	Nitroalkane oxidase
UniProt Gene Name	MW0803
UniProt Comments for MW0803	Catalyzes the oxidation of alkyl nitronates to produce the corresponding carbonyl compounds and nitrites.
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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