1d-Myo-Inositol 2-Acetamido-2-Deoxy-Alpha-D-Glucopyranoside Deacetylase (mshB) Mycobacterium Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	1D-myo-inositol 2-acetamido-2-deoxy-alpha-D-glucopyranoside deacetylase (mshB), Recombinant Protein
Full Product Name	Recombinant Mycobacterium sp. 1D-myo-inositol 2-acetamido-2-deoxy-alpha-D-glucopyranoside deacetylase (mshB)
Product Gene Name	mshB recombinant protein
Product Synonym Gene Name	mshB
Sequence	MFADSAVACV ISALRAVGVD SPLMSELVPR LLFVHAHPDD ETLTTGGTIA HYVRRGADVR VVTCTLGEEG EVIGEQYAQL AVDHADQLGG YRIAELTAAL AALGVDAPHF LGGPGHWRDS GMADTPARHQ PRFVDADMAE AAGLLAAILD DFRPHVVVTY DPDGGYGHPD HVQTHRVTTA AVERAQWQVP KFYWTVMSRS GMGDAFAVAR DVPEEWLQVS VDDVPFLYTD DRIDAVVDVS DSIEAKVAAM RAHATQISVA ANGQSCALSN NIAMPIPGVE HYVLVSGAPG PRDARGWETD LLAGVNLA
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	32,882 Da
Sequence Positions	1-308, 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 Q1B4P5
Species	Mycobacterium sp. (strain MCS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mshB recombinant protein	MBS1323287 is a recombinant protein targeting mshB. Also known as Recombinant Mycobacterium sp. 1D-myo-inositol 2-acetamido-2-deoxy-alpha-D-glucopyranoside deacetylase (mshB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mshB 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 mshB. It may not necessarily be applicable to this product.

NCBI GI #	499880678
NCBI Accession #	WP_011561412.1
UniProt Primary Accession #	Q1B4P5

GenBank Nucleotide #	WP_011561412.1
NCBI Official Full Name	MULTISPECIES: 1D-myo-inositol 2-acetamido-2-deoxy-alpha-D-glucopyranoside deacetylase
UniProt Protein Name	1D-myo-inositol 2-acetamido-2-deoxy-alpha-D-glucopyranoside deacetylase
UniProt Synonym Protein Names	N-acetyl-1-D-myo-inositol 2-amino-2-deoxy-alpha-D-glucopyranoside deacetylase
Protein Family	1D-myo-inositol 2-acetamido-2-deoxy-alpha-D-glucopyranoside deacetylase
UniProt Gene Name	mshB
UniProt Synonym Gene Names	GlcNAc-Ins deacetylase
UniProt Comments for mshB	Catalyzes the deacetylation of 1D-myo-inositol 2-acetamido-2-deoxy-alpha-D-glucopyranoside (GlcNAc-Ins) in the mycothiol biosynthesis pathway.
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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