Mannitol-1-Phosphate 5-Dehydrogenase (mtlD) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mannitol-1-phosphate 5-dehydrogenase (mtlD), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O17:K52:H18 Mannitol-1-phosphate 5-dehydrogenase (mtlD)
Product Gene Name	mtlD recombinant protein
Sequence	MKALHFGAGN IGRGFIGKLL ADAGIQLTFA DVNQVVLDAL NARHSYQVHV VGETEQVDTV SGVNAVSSIG DDVVDLIAQV DLVTTAVGPV VLERIAPAIA KGLVKRKEQG NESPLNIIAC ENMVRGTTQL KGHVMNALPE DAKAWVEEHV GFVDSAVDRI VPPSASATND PLEVTVETFS EWIVDKTQFK GALPNIPGME LTDNLMAFVE RKLFTLNTGH AITAYLGKLA GHQTIRDAIL DEKIRAVVKG AMEESGAVLI KRYGFDADKH AAYIRKILGR FENPYLKDDV ERVGRQPLRK LSAGDRLIKP LLGTLEYGLP HKNLIEGIAA AMHFRSEDDP QAQELAALIA DKGPQAALAQ ISGLDANSEV VSEAVTAYKA MQ
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	41,152 Da
Sequence Positions	1-382, 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 B7NEQ1
Species	Escherichia coli O17:K52:H18 (strain UMN026 / ExPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtlD recombinant protein	MBS1252443 is a recombinant protein targeting mtlD. Also known as Recombinant Escherichia coli O17:K52:H18 Mannitol-1-phosphate 5-dehydrogenase (mtlD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mtlD 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 mtlD. It may not necessarily be applicable to this product.

NCBI GI #	446568079
NCBI Accession #	WP_000645425.1
UniProt Primary Accession #	B7NEQ1
GenBank Nucleotide #	WP_000645425.1
NCBI Official Full Name	MULTISPECIES: mannitol-1-phosphate 5-dehydrogenase

UniProt Protein Name	Mannitol-1-phosphate 5-dehydrogenase
Protein Family	Mannitol-1-phosphate 5-dehydrogenase
UniProt Gene Name	mtlD
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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