Mannitol-1-Phosphate 5-Dehydrogenase (mtlD) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mannitol-1-phosphate 5-dehydrogenase (mtlD), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 Mannitol-1-phosphate 5-dehydrogenase (mtlD)
Product Gene Name	mtlD recombinant protein
Product Synonym Gene Name	mtlD
Sequence	MKALHFGAGN IGRGFIGKLL ADAGIQLTFA DVNQVVLDAL NARHSYQVHV VGETEQVDTV SGVDAVSSIG DDVVDLIAQV DLVTTAVGPV VLERIAPAIA KGLVKRKEQG NESPLNIIAC ENMVRGTTQL KGHVMNALPE DAKAWVEEHV GFVDSAVDRI VPPSASATND PLEVTVETFS EWIVDKTQFK GALPNIPGME LTDNLMAFVE RKLFTLNTGH AITAYLGKLA GHQTIRDAIL DEKIRAVVKG AMEESGAVLI KRYGFDADKH AAYIQKILGR FENPYLKDDV ERVGRQPLRK LSAGDRLIKP LLGTLEYSLP HKNLIQGIAG AMHFRSEDDP QAQELAALIA DKGPQAALAQ ISDLDANSEV 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	41,198 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 Q8XDG9
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtlD recombinant protein	MBS1352915 is a recombinant protein targeting mtlD. Also known as Recombinant Escherichia coli O157:H7 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 #	15833730
NCBI GeneID	915582
NCBI Accession #	NP_312503.1

UniProt Primary Accession #	Q8XDG9
GenBank Nucleotide #	NC_002695.1
NCBI Official Full Name	mannitol-1-phosphate 5-dehydrogenase
NCBI Official Symbol	ECs4476
UniProt Protein Name	Mannitol-1-phosphate 5-dehydrogenase
Protein Family	Mannitol-1-phosphate 5-dehydrogenase
UniProt Gene Name	mtlD
NCBI Protein Information	mannitol-1-phosphate 5-dehydrogenase
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