Enolase-Phosphatase E1 (mtnC) Pseudomonas Syringae Pv. Phaseolicola Recombinant Protein

PRODUCT OVERVIEW

Product Name	Enolase-phosphatase E1 (mtnC), Recombinant Protein
Full Product Name	Recombinant Pseudomonas syringae pv. phaseolicola Enolase-phosphatase E1 (mtnC)
Product Gene Name	mtnC recombinant protein
Product Synonym Gene Name	mtnC
Sequence	MPIKAILTDI EGTTSAVSFV FDVLFPFAKK HLPGFVRQNA GQPAVASQLQ AVRTEAGEPD ADVERVIAIL LEWIAEDRKA TPLKALQGMV WEQGYNAGQL KGHVYPDAVD ALKHWHQQGY RLYVYSSGSI QAQQLIFGCS EAGDLSGLFS GYFDTTSGPK REAQSYRTIA QAIECPAENI LFLSDIVEEL DAAQAAGMIT CGLARDGGVL VGHRYVSSFA LIDPASF
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	24,583 Da
Sequence Positions	1-227, 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 Q48KM6
Species	Pseudomonas syringae pv. phaseolicola (strain 1448A / Race 6)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtnC recombinant protein	MBS1367622 is a recombinant protein targeting mtnC. Also known as Recombinant Pseudomonas syringae pv. phaseolicola Enolase-phosphatase E1 (mtnC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mtnC 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 mtnC. It may not necessarily be applicable to this product.

NCBI GI #	490803706
NCBI Accession #	WP_004665833.1
UniProt Primary Accession #	Q48KM6
GenBank Nucleotide #	WP_004665833.1

NCBI Official Full Name	MULTISPECIES: acireductone synthase
UniProt Protein Name	Enolase-phosphatase E1
UniProt Synonym Protein Names	2,3-diketo-5-methylthio-1-phosphopentane phosphatase
Protein Family	Enolase-phosphatase
UniProt Gene Name	mtnC
UniProt Comments for mtnC	Bifunctional enzyme that catalyzes the enolization of 2,3-diketo-5-methylthiopentyl-1-phosphate (DK-MTP-1-P) into the intermediate 2-hydroxy-3-keto-5-methylthiopentenyl-1-phosphate (HK-MTPenyl-1-P), which is then dephosphorylated to form the acireductone 1,2-dihydroxy-3-keto-5-methylthiopentene (DHK-MTPene).
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