D,d-Heptose 1,7-Bisphosphate Phosphatase (gmhB) Yersinia Pestis Recombinant Protein

PRODUCT OVERVIEW

Product Name	D,D-heptose 1,7-bisphosphate phosphatase (gmhB), Recombinant Protein
Full Product Name	Recombinant Yersinia pestis D,D-heptose 1,7-bisphosphate phosphatase (gmhB)
Product Gene Name	gmhB recombinant protein
Product Synonym Gene Name	gmhB
Sequence	MTQSVPAIFL DRDGTVNVDH GYVHEIDNFQ FIDGVIDACR ELKEMGFALV LVTNQSGIAR GMFTEEQFLS LTEWMDWSLA DRGVDLDGIY FCPHHPDGSV AEFSETCECR KPLPGMLLQA QNELNIDMAA SYMVGDKIED MQAALAANIG TKVLVRTGKP VTAEGEAAAD WVLNSLADLP KAIKARYK
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	20,702 Da
Sequence Positions	1-188, Full length
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 Q8ZH37
Species	Yersinia pestis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gmhB recombinant protein	MBS1340756 is a recombinant protein targeting gmhB. Also known as Recombinant Yersinia pestis D,D-heptose 1,7-bisphosphate phosphatase (gmhB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gmhB 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 gmhB. It may not necessarily be applicable to this product.

NCBI GI #	488148854
NCBI Accession #	WP_002220062.1
UniProt Primary Accession #	Q8ZH37
UniProt Secondary Accession #	Q0WHX0; Q74S62; Q7CH28
GenBank Nucleotide #	WP_002220062.1
NCBI Official Full Name	MULTISPECIES: D-glycero-beta-D-manno-heptose 1,7-bisphosphate 7-phosphatase

UniProt Protein Name	D-glycero-beta-D-manno-heptose-1,7-bisphosphate 7-phosphatase
UniProt Synonym Protein Names	D,D-heptose 1,7-bisphosphate phosphatase; HBP phosphatase
Protein Family	D-glycero-alpha-D-manno-heptose-1,7-bisphosphate 7-phosphatase
UniProt Gene Name	gmhB
UniProt Synonym Gene Names	HBP phosphatase
UniProt Comments for gmhB	Converts the D-glycero-beta-D-manno-heptose 1,7-bisphosphate intermediate into D-glycero-beta-D-manno-heptose 1-phosphate by removing the phosphate group at the C-7 position.
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