Small Heat Shock Protein Ibpb (ibpB) Yersinia Pseudotuberculosis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Small heat shock protein ibpB (ibpB), Recombinant Protein
Full Product Name	Recombinant Yersinia pseudotuberculosis Small heat shock protein ibpB (ibpB)
Product Gene Name	ibpB recombinant protein
Product Synonym Gene Name	ibpB
Sequence	MRNYDLSPLL RQWIGFDKLA STMQGGQEPQ GFPPYNIEKT DDNHYRISLA LAGFKQSELD IEVEGPRLTV RGKPTPVEKQ VEYLHQGLVR KEFSLTFTLA EHLNVDNAQF ENGLLHIDLL RQVPEALQPQ RIAIGSATPQ ERQVLESPEA PDQQ
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	17,489 Da
Sequence Positions	1-154, 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 Q663W9
Species	Yersinia pseudotuberculosis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ibpB recombinant protein	MBS1479903 is a recombinant protein targeting ibpB. Also known as Recombinant Yersinia pseudotuberculosis Small heat shock protein ibpB (ibpB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ibpB 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 ibpB. It may not necessarily be applicable to this product.

NCBI GI #	488138427
NCBI Accession #	WP_002209635.1
UniProt Primary Accession #	Q663W9
GenBank Nucleotide #	WP_002209635.1
NCBI Official Full Name	MULTISPECIES: heat-shock protein IbpB
UniProt Protein Name	Small heat shock protein IbpB

UniProt Synonym Protein Names	16 kDa heat shock protein B
Protein Family	16 kDa heat shock protein
UniProt Gene Name	ibpB
UniProt Comments for ibpB	Associates with aggregated proteins, together with IbpA, to stabilize and protect them from irreversible denaturation and extensive proteolysis during heat shock and oxidative stress. Aggregated proteins bound to the IbpAB complex are more efficiently refolded and reactivated by the ATP-dependent chaperone systems ClpB and DnaK/DnaJ/GrpE. Its activity is ATP-independent.
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