Cell Division Protein Zapa (zapA) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell division protein ZapA (zapA), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Cell division protein ZapA (zapA)
Product Gene Name	zapA recombinant protein
Product Synonym Gene Name	zapA
Sequence	MSQQKGKKSR INVEIYGQQY SVVGDESTSH IRMVAAIVDD KMRELNAKNP SLDTSRLAVL TAVNVIHDYI KLKEEHEKLK ESMTKKGME
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	10,120 Da
Sequence Positions	1-89, 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 Q72ZI7
Species	Bacillus cereus (strain 10987)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for zapA recombinant protein	MBS1344533 is a recombinant protein targeting zapA. Also known as Recombinant Bacillus cereus Cell division protein ZapA (zapA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of zapA 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 zapA. It may not necessarily be applicable to this product.

NCBI GI #	81408932
NCBI Accession #	Q72ZI7.1
UniProt Primary Accession #	Q72ZI7
NCBI Official Full Name	Cell division protein ZapA
UniProt Protein Name	Cell division protein ZapA
UniProt Synonym Protein Names	Z ring-associated protein ZapA

Protein Family	Cell division protein
UniProt Gene Name	zapA
UniProt Comments for zapA	Activator of cell division through the inhibition of FtsZ GTPase activity, therefore promoting FtsZ assembly into bundles of protofilaments necessary for the formation of the division Z ring. It is recruited early at mid-cell but it is not essential for cell division.
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