Serine-Protein Kinase Rsbw (rsbW) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Serine-protein kinase rsbW (rsbW), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Serine-protein kinase rsbW (rsbW)
Product Gene Name	rsbW recombinant protein
Sequence	MMERFEKIEM KIPAKAEYVA IIRLTMAGVA NRMGFAYDDI EDMKIAISEA CTNIVQHAYK EDVGEIAIVF GLYENRLEIM VADNGVSFDF NNLKRKVGPY DISKPVEHLP ENGLGLYLIN TLMDDIQIMH DEGMTVLMTK YIQREQVEND GNPISTYESY
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	18,282 Da
Sequence Positions	1-160, 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 C1EZZ5
Species	Bacillus cereus (strain 03BB102)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rsbW recombinant protein	MBS1247295 is a recombinant protein targeting rsbW. Also known as Recombinant Bacillus cereus Serine-protein kinase rsbW (rsbW). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rsbW 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 rsbW. It may not necessarily be applicable to this product.

NCBI GI #	446893320
NCBI Accession #	WP_000970576.1
UniProt Primary Accession #	C1EZZ5
GenBank Nucleotide #	WP_000970576.1
NCBI Official Full Name	MULTISPECIES: anti-sigma B factor RsbW
UniProt Protein Name	Serine-protein kinase RsbW
UniProt Synonym Protein Names	Anti-sigma-B factor

Protein Family	Anti-sigma-F factor
UniProt Gene Name	rsbW
UniProt Comments for rsbW	Negative regulator of sigma-B activity. Phosphorylates and inactivates its specific antagonist protein, RsbV. Upon phosphorylation of RsbV, RsbW is released and binds to sigma-B, thereby blocking its ability to form an RNA polymerase holoenzyme (E-sigma-B).
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