Holliday Junction ATP-Dependent DNA Helicase Ruvb (ruvB) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Holliday junction ATP-dependent DNA helicase RuvB (ruvB), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Holliday junction ATP-dependent DNA helicase RuvB (ruvB)
Product Gene Name	ruvB recombinant protein
Sequence	MDERLLSGES AYEDSDLEYS LRPQTLRQYI GQDKAKHNLE VFIEAAKMRE ETLDHVLLYG PPGLGKTTLA NIIANEMGVN VRTTSGPAIE RPGDLAAVLT ALQPGDVLFI DEIHRLHRSI EEVLYPAMED FCLDIVIGKG PSARSVRLDL PPFTLVGATT RAGALSAPLR DRFGVLSRLE YYTVDQLSAI VERTAEVFEV EIDSLAALEI ARRARGTPRI ANRLLRRVRD FAQVRGNGTV TMEITQMALE LLQVDKLGLD HIDHKLLLGI IEKFRGGPVG LETVSATIGE ESHTIEDVYE PYLLQIGFLQ RTPRGRIVTP LAYEHFGMEI PKV
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	37,037 Da
Sequence Positions	1-333, 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 B7IIT2
Species	Bacillus cereus (strain G9842)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ruvB recombinant protein	MBS1264552 is a recombinant protein targeting ruvB. Also known as Recombinant Bacillus cereus Holliday junction ATP-dependent DNA helicase RuvB (ruvB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ruvB 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 ruvB. It may not necessarily be applicable to this product.

NCBI GI #	446266609
NCBI Accession #	WP_000344464.1
UniProt Primary Accession #	B7IIT2
GenBank Nucleotide #	WP_000344464.1
NCBI Official Full Name	MULTISPECIES: Holliday junction branch migration DNA helicase RuvB

UniProt Protein Name	Holliday junction ATP-dependent DNA helicase RuvB
Protein Family	Holliday junction ATP-dependent DNA helicase
UniProt Gene Name	ruvB
UniProt Comments for ruvB	The RuvA-RuvB complex in the presence of ATP renatures cruciform structure in supercoiled DNA with palindromic sequence, indicating that it may promote strand exchange reactions in homologous recombination. RuvAB is a helicase that mediates the Holliday junction migration by localized denaturation and reannealing.
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