Holliday Junction Resolvase Recu (recU) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Holliday junction resolvase recU (recU), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Holliday junction resolvase recU (recU)
Product Gene Name	recU recombinant protein
Product Synonym Gene Name	recU
Sequence	MTIRYPNGKR YNQASQPHKT PIKKHTYSNR GMSLEEELNE TNEYYLTHNI ACVHKKPTPL QIVKVDYPAR SAAVVKEAYF KQPSTTDYNG VYKGKYIDFE AKETKNKTSF PLQNFHLHQI EHMKQVIAHN GIAFVIIKFT LFDELYLLDA KHIITFWNRQ NTGGRKSITK EEIVEHGSLL SCGYHPRIDY IRVLDTVYFS
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	23,343 Da
Sequence Positions	1-200, 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 Q63DI3
Species	Bacillus cereus (strain ZK / E33L)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for recU recombinant protein	MBS1335394 is a recombinant protein targeting recU. Also known as Recombinant Bacillus cereus Holliday junction resolvase recU (recU). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of recU 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 recU. It may not necessarily be applicable to this product.

NCBI GI #	446077739
NCBI Accession #	WP_000155594.1
UniProt Primary Accession #	Q63DI3
GenBank Nucleotide #	WP_000155594.1
NCBI Official Full Name	MULTISPECIES: Holliday junction resolvase RecU
UniProt Protein Name	Holliday junction resolvase RecU

UniProt Synonym Protein Names	Recombination protein U homolog
Protein Family	Holliday junction resolvase
UniProt Gene Name	recU
UniProt Comments for recU	Endonuclease that resolves Holliday junction intermediates in genetic recombination. Cleaves mobile four-strand junctions by introducing symmetrical nicks in paired strands. Promotes annealing of linear ssDNA with homologous dsDNA. Required for DNA repair, homologous recombination and chromosome segregation.
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