Holliday Junction Resolvase Recu (recU) Geobacillus Thermodenitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Holliday junction resolvase recU (recU), Recombinant Protein
Full Product Name	Recombinant Geobacillus thermodenitrificans Holliday junction resolvase recU (recU)
Product Gene Name	recU recombinant protein
Sequence	MALKYPGGKE YRGNRLNAAR QPMAADYANR GMTLEEDLNA TNEYYRERGI AVVYKKPTPV QIVRVDYPKR SAAVIKEAYF RQASTTDYNG VYRGKYIDFE AKETKNKTAF PLKNFHAHQI RHMEQVMAHG GICFAILRFS VLNETYLLDA FHLIARWNEQ EAGGRKSIPK REIEQYGHYI PLGYQPRIDY ISVVEKVYFT V
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	23,327 Da
Sequence Positions	1-201, 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 A4IQ49
Species	Geobacillus thermodenitrificans (strain NG80-2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for recU recombinant protein	MBS1039929 is a recombinant protein targeting recU. Also known as Recombinant Geobacillus thermodenitrificans 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 #	500217534
NCBI Accession #	WP_011887677.1
UniProt Primary Accession #	A4IQ49
GenBank Nucleotide #	WP_011887677.1
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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