ATP-Dependent Helicase/Deoxyribonuclease Subunit B (rexB) Streptococcus Pyogenes Serotype M18 Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP-dependent helicase/deoxyribonuclease subunit B (rexB), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M18 ATP-dependent helicase/deoxyribonuclease subunit B (rexB), partial
Product Gene Name	rexB recombinant protein
Product Synonym Gene Name	rexB
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	124,200 Da
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 Q8P1J3
Species	Streptococcus pyogenes serotype M18
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rexB recombinant protein	MBS1304289 is a recombinant protein targeting rexB. Also known as Recombinant Streptococcus pyogenes serotype M18 ATP-dependent helicase/deoxyribonuclease subunit B (rexB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rexB 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 rexB. It may not necessarily be applicable to this product.

NCBI GI #	499327130
NCBI Accession #	WP_011017622.1
UniProt Primary Accession #	Q8P1J3
GenBank Nucleotide #	WP_011017622.1
NCBI Official Full Name	ATP-dependent helicase/deoxyribonuclease subunit B
UniProt Protein Name	ATP-dependent helicase/deoxyribonuclease subunit B
UniProt Synonym Protein Names	ATP-dependent helicase/nuclease RexB

Protein Family	Protein
UniProt Gene Name	rexB
UniProt Comments for rexB	The heterodimer acts as both an ATP-dependent DNA helicase and an ATP-dependent, dual-direction single-stranded exonuclease. Recognizes the chi site generating a DNA molecule suitable for the initiation of homologous recombination. This subunit has 5' -> 3' nuclease activity.
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