ATP-Dependent Helicase/Deoxyribonuclease Subunit B (rexB) Lactobacillus Sakei Subsp. Sakei Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP-dependent helicase/deoxyribonuclease subunit B (rexB), Recombinant Protein
Full Product Name	Recombinant Lactobacillus sakei subsp. sakei 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	136,081 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 Q38X70
Species	Lactobacillus sakei subsp. sakei (strain 23K)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rexB recombinant protein	MBS1323109 is a recombinant protein targeting rexB. Also known as Recombinant Lactobacillus sakei subsp. sakei 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 #	499693877
NCBI Accession #	WP_011374611.1
UniProt Primary Accession #	Q38X70
GenBank Nucleotide #	WP_011374611.1
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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