DNA Mismatch Repair Protein MutI (mutL) Thermus Thermophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA mismatch repair protein mutL (mutL), Recombinant Protein
Full Product Name	Recombinant Thermus thermophilus DNA mismatch repair protein mutL (mutL), partial
Product Gene Name	mutL recombinant protein
Product Synonym Gene Name	mutL
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	60,103 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 Q9RA54
Species	Thermus thermophilus (strain HB8 / 27634 / DSM 579)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mutL recombinant protein	MBS1323053 is a recombinant protein targeting mutL. Also known as Recombinant Thermus thermophilus DNA mismatch repair protein mutL (mutL), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mutL 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 mutL. It may not necessarily be applicable to this product.

NCBI GI #	499547813
NCBI GeneID	3169099
NCBI Accession #	WP_011228596.1
UniProt Primary Accession #	Q9RA54
UniProt Secondary Accession #	Q5SIP6
UniProt Related Accession #	Q9RA54
GenBank Nucleotide #	WP_011228596.1
NCBI Official Full Name	DNA mismatch repair protein MutL
NCBI Official Symbol	TTHA1323

UniProt Protein Name	DNA mismatch repair protein MutL
Protein Family	DNA mismatch repair protein
UniProt Gene Name	mutL
NCBI Protein Information	DNA mismatch repair protein MutL
UniProt Comments for mutL	This protein is involved in the repair of mismatches in DNA. It is required for dam-dependent methyl-directed DNA mismatch repair. May act as a "molecular matchmaker", a protein that promotes the formation of a stable complex between two or more DNA-binding proteins in an ATP-dependent manner without itself being part of a final effector complex.
Research Articles on mutL	**1.** ATP hydrolysis by MutS and MutL is involved in the mismatch-dependent activation of MutL endonuclease activity.
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