DEAD-Box ATP-Dependent RNA Helicase Cshb (cshB) Bacillus Subtilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	DEAD-box ATP-dependent RNA helicase CshB (cshB), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis DEAD-box ATP-dependent RNA helicase CshB (cshB)
Product Gene Name	cshB recombinant protein
Sequence	MKETKFELYE LKPFIIDAVH RLGFYEPTDI QKRLIPAVLK KESVIGQSQT GTGKTHAYLL PLLNKIDPAK DVVQVVITAP TRELANQIYQ EALKITQGEE GSQIRSKCFI GGTDKQKSID KLKIQPHLVV GTPGRIADLI KEQALSVHKA ESLVIDEADL MLDMGFLADV DYIGSRMPED LQMLVFSATI PEKLKPFLKK YMENPKYAHV EPKQVTAAKI EHILIPSKHR DKDKLLFDIM SHLNPYLGIV FANTKNTADH IAQYLTGKGM KIGLLHGGLT PRERKKVMKQ INDLEFTYII ATDLAARGID IKGVSHVINY ELPDDLDFYV HRVGRTARAG SSGQAMTIYE LTDEDALVRL EKMGIEFEYL ELEKGEWKKG DDRQRRKKRK KTPNEADEIA HRLVKKPKKV KPGYKKKMSY EMEKIKKKQR RNQSKKRK
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	50,027 Da
Sequence Positions	1-438, Full length protein
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 P54475
Species	Bacillus subtilis (strain 168)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cshB recombinant protein	MBS1238776 is a recombinant protein targeting cshB. Also known as Recombinant Bacillus subtilis DEAD-box ATP-dependent RNA helicase CshB (cshB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cshB 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 cshB. It may not necessarily be applicable to this product.

NCBI GI #	16079569
NCBI GeneID	937908
NCBI Accession #	NP_390393.1
UniProt Primary Accession #	P54475

UniProt Related Accession #	P54475
GenBank Nucleotide #	NC_000964.3
NCBI Official Full Name	DEAD/DEAH box helicase
NCBI Official Symbol	cshB
UniProt Protein Name	DEAD-box ATP-dependent RNA helicase CshB
Protein Family	DEAD-box ATP-dependent RNA helicase
UniProt Gene Name	cshB
NCBI Protein Information	DEAD/DEAH box helicase
UniProt Comments for cshB	DEAD-box RNA helicase that plays a role in 70S ribosome assembly. May work in conjunction with the cold shock proteins to ensure proper initiation of transcription at low and optimal temperatures.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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