Replicative DNA Helicase (dnaB) Haemophilus Influenzae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Replicative DNA helicase (dnaB), Recombinant Protein
Full Product Name	Recombinant Haemophilus influenzae Replicative DNA helicase (dnaB)
Product Gene Name	dnaB recombinant protein
Sequence	MASQPQIKSS DKKTAQVSIP PHSTEAEQAV LGGIMLSNQH WDGIAERVIA DDFYTFQHRL IFTEMEHLMR NQSPIDLITL DQALRSRGVS DEVGGFAYLA ELSNNTPNAI NILAYADIVR EKAILRELIS VGNRIAENSY SPKGQDIKLI LDEAEREVFA IAEKRTTSSE GPQNVINVLE STIEKIDILS KLENHSGVTG VTTGFTDLDK KTAGLQPSDL IIVAARPSMG KTTFAMNLCE NAAMASEKPV LVFSLEMPAE QIMMRMIASL ARVDQTKIRT GQNLDEIEWN KIASVVGMFK QKNNLFIDDS SGLTPTDVRS RARRVYRENG GLSMIMVDYL QLMRAPAFSD NRTLEIAEIS RSLKALAKEL QVPVVALSQL NRTLEQRGDK RPVNSDLRES GSIEQDADLI MFIYRDEVYN DNSEDKGVAE IIIGKQRNGP IGRVRLKFNG QFSRFDNLAE QREYRDDY
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	52,362 Da
Sequence Positions	1-468, 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 P45256
Species	Haemophilus influenzae (strain 51907 / DSM 11121 / KW20 / Rd)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dnaB recombinant protein	MBS1020193 is a recombinant protein targeting dnaB. Also known as Recombinant Haemophilus influenzae Replicative DNA helicase (dnaB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dnaB 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 dnaB. It may not necessarily be applicable to this product.

NCBI GI #	16273469
NCBI GeneID	950434
NCBI Accession #	NP_439720.1
UniProt Primary Accession #	P45256
GenBank Nucleotide #	NC_000907.1

NCBI Official Full Name	replicative DNA helicase
NCBI Official Symbol	dnaB
UniProt Protein Name	Replicative DNA helicase
Protein Family	Probable replicative DNA helicase
UniProt Gene Name	dnaB
NCBI Protein Information	replicative DNA helicase
UniProt Comments for dnaB	Participates in initiation and elongation during chromosome replication; it exhibits DNA-dependent ATPase activity and contains distinct active sites for ATP binding, DNA binding, and interaction with DnaC protein, primase, and other prepriming proteins.
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