Chromosomal Replication Initiator Protein Dnaa (dnaA) Clostridium Thermocellum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chromosomal replication initiator protein DnaA (dnaA), Recombinant Protein
Full Product Name	Recombinant Clostridium thermocellum Chromosomal replication initiator protein DnaA (dnaA)
Product Gene Name	dnaA recombinant protein
Sequence	MNTQLNEIWQ KTLGLLKNEL TEISFNTWIK TIDPLSLTGN TINLAVPAEF NKGILESRYQ TLIKNAIKQV TFKEYEIAFI VPSQENLNKL TKQTESAGNE DSPLSVLNPK YTFDTFVIGN SNRFAHAAAL AVAEAPGKAY NPLFIYGGVG LGKTHLMHAI GHYILEQNSS QKVLYVSSEK FTNELINAIK DNRNEEFRSK YRNIDVLLID DIQFIAGKER TEEEFFHTFN ALYEANKQII LSSDKPPKEI SLEDRLRSRF EWGLIADMQA PDLETRIAIL RKKAQLENLT VPNEVIVFIA DKIASNIREL EGALNRVIAY SSLTENEITV ELASEALKDI LSANKAKVLN CTTIQEAVAR YFDIRPEEFK SKKRTRDIAF PRQIAMYLCR ELTEMSLPKI GEEFGGRDHT TVIHACEKIS EEIESNSETR RAVSEIKRNL LGK
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	50,281 Da
Sequence Positions	1-443, 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 A3DHZ4
Species	Clostridium thermocellum (strain 27405 / DSM 1237)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dnaA recombinant protein	MBS1256239 is a recombinant protein targeting dnaA. Also known as Recombinant Clostridium thermocellum Chromosomal replication initiator protein DnaA (dnaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dnaA 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 dnaA. It may not necessarily be applicable to this product.

NCBI GI #	521293512
NCBI Accession #	WP_020457780.1
UniProt Primary Accession #	A3DHZ4
GenBank Nucleotide #	WP_020457780.1

NCBI Official Full Name	chromosomal replication initiator protein DnaA
UniProt Protein Name	Chromosomal replication initiator protein DnaA
Protein Family	Chromosomal replication initiator protein
UniProt Gene Name	dnaA
UniProt Comments for dnaA	Plays an important role in the initiation and regulation of chromosomal replication. Binds to the origin of replication; it binds specifically double-stranded DNA at a 9 bp consensus (dnaA box): 5'-TTATC[CA]A[CA]A-3'. DnaA binds to ATP and to acidic phospholipids.
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