# Chromosomal Replication Initiator Protein Dnaa (dnaA) Silicibacter Sp. Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Chromosomal replication initiator protein DnaA (dnaA), Recombinant Protein |
| **Full Product Name** | Recombinant Silicibacter sp. Chromosomal replication initiator protein DnaA (dnaA) |
| **Product Gene Name** | dnaA recombinant protein |
| **Product Synonym Gene Name** | dnaA |
| **Sequence** | MTDDTWGLLR KRLLKTVGQN NFTTWIEPLE LDQVDGGVAT FHVPTNFMGN YVSQNFADLI LHEFNKSGEA VQRLAFKVAA NSPTRPVQPT MSEAIEEPAP LQTTVVDQLG NQEGNTSVKS PPEDLQAAPL DPRFTFDSFV VGKPNELAHA AARRVAEGGP VTFNPLVLYG GVGLGKTHLM HAIAWELKER NPELNVLYLS AEQFMYRFVQ ALRERKMMDF KHLFRSVDVL MVDDVQFIAG KDSTQEEFFH TFNALVDQNK QIIISADRAP GEIKDLEDRV KSRLQCGLVV DLHPTDYELR LGILQTKVQQ NRKNYPDLKI ADGVLELLAH RISTNVRVLE GALTRLFAFA SLVGREIDMD LTQDCLADVL RASERKITVE EIQRKVSEYY NIRMSDIIGP KRLRSYARPR QVAMYLCKQL TSRSLPEIGR RFGGRDHTTV MHGVRRIEEL KTIDGQIAED VEMLRRSLEA |
| **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** | 53,246 Da |
| **Sequence Positions** | 1-470, 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 Q1GKT2 |
| **Species** | Silicibacter sp. (strain TM1040) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for dnaA recombinant protein** | MBS1341265 is a recombinant protein targeting dnaA. Also known as Recombinant Silicibacter sp. 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.

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| **NCBI GI #** | 499856638 |
| **NCBI Accession #** | WP_011537372.1 |
| **UniProt Primary Accession #** | Q1GKT2 |

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| **GenBank Nucleotide #** | WP_011537372.1 |
| **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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