Chromosomal Replication Initiator Protein Dnaa 1 (dnaA1) Chlamydophila Caviae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chromosomal replication initiator protein DnaA 1 (dnaA1), Recombinant Protein
Full Product Name	Recombinant Chlamydophila caviae Chromosomal replication initiator protein DnaA 1 (dnaA1)
Product Gene Name	dnaA1 recombinant protein
Product Synonym Gene Name	dnaA1
Sequence	MLTCSDCSTW EQFVNYVKTR CSKTAFENWI SPIQIIEETQ EKIRLEVPNI FVQNYLLDNY KQDLCSFVPL DAQGEPALEF VVAEIKKAPA QPIAPREPQE SPAETFEESK DFELKLNAAY RFDNFIEGPS NQFVKSAAVG IAGRPGRSYN PLFIHGGVGL GKTHLLHAVG HYVREHHKNL RVHCITTEAF INDLVQHLRL KSIDKMKNFY RSLDLLLVDD IQFLQNRQNF EEEFCNTFET LINLNKQIVI TSDKPPGQLK LSERIIARME WGLVAHVGIP DLETRVAILQ HKAEQKGLHI PNEIAFYIAD HIYGNVRQLE GAINKLTAYC RLFGKTLTES IVRDTLRELF RSPSKQKVSV ESILKSVATV FQVKLQDLKG TSRSKELVLA RQVAMYLAKT LITDSLVAIG SAFGKTHSTV LYACKTIEQK IEKDETLTRQ ISLCKNHIVG
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	51,100 Da
Sequence Positions	1-450, 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 Q823P0
Species	Chlamydophila caviae (strain GPIC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dnaA1 recombinant protein	MBS1309878 is a recombinant protein targeting dnaA1. Also known as Recombinant Chlamydophila caviae Chromosomal replication initiator protein DnaA 1 (dnaA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dnaA1 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 dnaA1. It may not necessarily be applicable to this product.

NCBI GI #	499315840
NCBI Accession #	WP_011006332.1
UniProt Primary Accession #	Q823P0

GenBank Nucleotide #	WP_011006332.1
NCBI Official Full Name	Chromosomal replication initiator protein DnaA 1
UniProt Protein Name	Chromosomal replication initiator protein DnaA 1
Protein Family	Chromosomal replication initiator protein
UniProt Gene Name	dnaA1
UniProt Synonym Gene Names	dnaA-1
UniProt Comments for dnaA1	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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