Probable DNA Primase Small Subunit (priA) Uncultured Methanogenic Archaeon Rc-I Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable DNA primase small subunit (priA), Recombinant Protein
Full Product Name	Recombinant Uncultured methanogenic archaeon RC-I Probable DNA primase small subunit (priA)
Product Gene Name	priA recombinant protein
Product Synonym Gene Name	priA
Sequence	MNDQTRAFLR ERFRDYYSRS KVFVPPGLAQ REWGFIFHEE TVGVAMRRHK AFNSEGELAD YLRSMPPAHA YHSAAYYRHP QAPTMQEKDW LGADLIFDLD ADHLPGVKNM TYGEMLDNVK VEIIRLIDEF LIDDLGFREK DMDIVFSGGR GYHVHVRDER VRTLKSPERR EIVDYLLGTG LEPDRMFIRT NQRIDTGTTS VAGVWLIRGF DSVPGGWDRR VARHIVEKLD QIGRLPDKDA KEALRAFSLE SKDVKRILHV ARDPASLQKI REKGLIELSG NLEGFFRSIL AGTIDQFKVS LAGKTDEPVT ADIKRLIRLP GSIHGGSSFR VTPLTRAQLE SFNPLEDAII FSDDPVRVLV TRPAVVEMKG KIYRVSEGVG RLPENVAMFL MCRGSADYEP
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	45,530 Da
Sequence Positions	1-400, 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 Q0W8M0
Species	Uncultured methanogenic archaeon RC-I
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for priA recombinant protein	MBS1340646 is a recombinant protein targeting priA. Also known as Recombinant Uncultured methanogenic archaeon RC-I Probable DNA primase small subunit (priA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of priA 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 priA. It may not necessarily be applicable to this product.

NCBI GI #	500975477
NCBI GeneID	5143863
NCBI Accession #	WP_012037217.1

UniProt Primary Accession #	Q0W8M0
UniProt Related Accession #	Q0W8M0
GenBank Nucleotide #	WP_012037217.1
NCBI Official Full Name	DNA primase
NCBI Official Symbol	RCI_RS14600
UniProt Protein Name	DNA primase small subunit PriS
Protein Family	Phosphoribosyl isomerase
UniProt Gene Name	priS
NCBI Protein Information	DNA primase small subunit
UniProt Comments for priA	Catalytic subunit of DNA primase, an RNA polymerase that catalyzes the synthesis of short RNA molecules used as primers for DNA polymerase during DNA replication. The small subunit contains the primase catalytic core and has DNA synthesis activity on its own. Binding to the large subunit stabilizes and modulates the activity, increasing the rate of DNA synthesis while decreasing the length of the DNA fragments, and conferring RNA synthesis capability. The DNA polymerase activity may enable DNA primase to also catalyze primer extension after primer synthesis. May also play a role in DNA repair.
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