Negative Modulator of Initiation of Replication (seqA) Shigella Dysenteriae Serotype 1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Negative modulator of initiation of replication (seqA), Recombinant Protein
Full Product Name	Recombinant Shigella dysenteriae serotype 1 Negative modulator of initiation of replication (seqA)
Product Gene Name	seqA recombinant protein
Product Synonym Gene Name	seqA
Sequence	MKTIEVDDEL YSYIASHTKH IGESASDILR RMLKFSAASQ PAAPVTKEVR VASPAIVEAK PVKTIKDKVR AMRELLLSDE YAEQKRAVNR FMLLLSTLYS LDAQAFAEAT ESLHGRTRVY FAADEQTLLK NGNQTKPKHV SGTPYWVITN TNTGRKCSMI EHIMLSMQFP AELIEKVCGT I
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	20,290 Da
Sequence Positions	1-181, Full length
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 Q32IN7
Species	Shigella dysenteriae serotype 1 (strain Sd197)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for seqA recombinant protein	MBS1306842 is a recombinant protein targeting seqA. Also known as Recombinant Shigella dysenteriae serotype 1 Negative modulator of initiation of replication (seqA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of seqA 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 seqA. It may not necessarily be applicable to this product.

NCBI GI #	491161482
NCBI Accession #	WP_005019869.1
UniProt Primary Accession #	Q32IN7
GenBank Nucleotide #	WP_005019869.1
NCBI Official Full Name	replication initiation regulator SeqA

UniProt Protein Name	Negative modulator of initiation of replication
Protein Family	Negative modulator of initiation of replication
UniProt Gene Name	seqA
UniProt Comments for seqA	Negative regulator of replication initiation, which contributes to regulation of DNA replication and ensures that replication initiation occurs exactly once per chromosome per cell cycle. Binds to pairs of hemimethylated GATC sequences in the oriC region, thus preventing assembly of replication proteins and re-initiation at newly replicated origins. Repression is relieved when the region becomes fully methylated.
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