Cell Division Inhibitor Sula (sulA) Shigella Sonnei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell division inhibitor SulA (sulA), Recombinant Protein
Full Product Name	Recombinant Shigella sonnei Cell division inhibitor SulA (sulA)
Product Gene Name	sulA recombinant protein
Product Synonym Gene Name	sulA
Sequence	MYTSGYAHRS SSFSSAASKI ARVSTENTTA GLISEVVYRE DQPMMTQLLL LPLLQQLGQQ SRWQLWLTPQ QKLSREWVQA SGLPLTKVMQ ISQLSPCHTV ESMVRALRTG NYSVVIGWLA DDLTEEEHAE LVDAANEGNA MGFIMRPVSA SSHATRQLSG LKIHSNLYH
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	18,801 Da
Sequence Positions	1-169, 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 Q3Z3G3
Species	Shigella sonnei (strain Ss046)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sulA recombinant protein	MBS1455855 is a recombinant protein targeting sulA. Also known as Recombinant Shigella sonnei Cell division inhibitor SulA (sulA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sulA 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 sulA. It may not necessarily be applicable to this product.

NCBI GI #	446210855
NCBI Accession #	WP_000288710.1
UniProt Primary Accession #	Q3Z3G3
GenBank Nucleotide #	WP_000288710.1
NCBI Official Full Name	MULTISPECIES: cell division inhibitor SulA
UniProt Protein Name	Cell division inhibitor SulA

Protein Family	Cell division inhibitor
UniProt Gene Name	sulA
UniProt Comments for sulA	Component of the SOS system and an inhibitor of cell division. Accumulation of SulA causes rapid cessation of cell division and the appearance of long, non-septate filaments. In the presence of GTP, binds a polymerization-competent form of FtsZ in a 1:1 ratio, thus inhibiting FtsZ polymerization and therefore preventing it from participating in the assembly of the Z ring. This mechanism prevents the premature segregation of damaged DNA to daughter cells during cell division.
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