Chromosome Partition Protein Mukf (mukF) Salmonella Dublin Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chromosome partition protein mukF (mukF), Recombinant Protein
Full Product Name	Recombinant Salmonella dublin Chromosome partition protein mukF (mukF)
Product Gene Name	mukF recombinant protein
Sequence	MSEFSQTVPE LVAWARKNDF SISLPVDRLS FLLAVATLNG ERLDGEMSEG ELVDAFRHVS DAFEQTSETI GVRANNAIND MVRQRLLNRF TSEQAEGNAI YRLTPLGIGI TDYYIRQREF STLRLSMQLS IVAGELKRAA DAAAEGGDEF HWHRNVYAPL KYSVAEIFDS IDLTQRIMDE QQQQVKDDIA QLLNKDWRAA ISSCELLLSE TSGTLRELQD TLEAAGDKLQ ANLLRIQDAT MTHDDLHFVD RLVFDLQSKL DRIISWGQQS IDLWIGYDRH VHKFIRTAID MDKNRVFAQR LRQSVQTYFD DPWALTYANA DRLLDMRDEE MALRDDEVTG ELPPDLEYEE FNEIREQLAA IIEEQLAIYK TRQTPLDLGL VVREYLAQYP RARHFDVARI VIDQAVRLGV AQADFTGLPA KWQPINDYGA KVQAHVIDKY
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	50,461 Da
Sequence Positions	1-440, 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 B5FQ65
Species	Salmonella dublin (strain CT_02021853)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mukF recombinant protein	MBS1230405 is a recombinant protein targeting mukF. Also known as Recombinant Salmonella dublin Chromosome partition protein mukF (mukF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mukF 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 mukF. It may not necessarily be applicable to this product.

NCBI GI #	447211572
NCBI Accession #	WP_001288828.1
UniProt Primary Accession #	B5FQ65
GenBank Nucleotide #	WP_001288828.1
NCBI Official Full Name	chromosome partition protein MukF

UniProt Protein Name	Chromosome partition protein MukF
Protein Family	Chromosome partition protein
UniProt Gene Name	mukF
UniProt Comments for mukF	Involved in chromosome condensation, segregation and cell cycle progression. May participate in facilitating chromosome segregation by condensation DNA from both sides of a centrally located replisome during cell division. Not required for mini-F plasmid partitioning. Probably acts via its interaction with MukB and MukE. Overexpression results in anucleate cells. It has a calcium binding activity.
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