Chromosome Partition Protein Mukf (mukF) Vibrio Vulnificus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chromosome partition protein mukF (mukF), Recombinant Protein
Full Product Name	Recombinant Vibrio vulnificus Chromosome partition protein mukF (mukF)
Product Gene Name	mukF recombinant protein
Product Synonym Gene Name	mukF
Sequence	MSETTLNAAE QPIDELVSWV KQHDFSLNLT TERLAFLIAI AVLSNERFDE ELGEGELHDA FTIVTRLFEE TGEASAFRAN NAINELVKQR LISRFTSEMT EGASIYRLSP LAIGITDYYV RHREFSKLRL SIQLSMVAGE MAKAIEAAKQ GGTAGHWKKN VYAVLKYSVG EIFDQIDLNQ RVMDEQQQSV KQQIADLLNK DWREAINNCE SLLSETSNTL KELQDTLQAA GDELQTQILD IQELVYGDEE LEFIEETLFG LQMKLDRITS WGQQAIDLWI GYDRHVHKFI RTAIDMDKNR IFSTRLRQSV KDYFDMPWYL TYADAERLSD LRDEALVLRD DEVTGQVPLE VEYEEFQQVN DELAERIGEM LRLHKDNGKP IDLGIVLKDY LAQHPSTHHF DLARIVIDQA VRMGYSESDY QAIQPDWQAI NDYGAKVQAN VIDRY
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	51,202 Da
Sequence Positions	1-445, 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 Q8DAQ0
Species	Vibrio vulnificus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mukF recombinant protein	MBS1386607 is a recombinant protein targeting mukF. Also known as Recombinant Vibrio vulnificus 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 #	499392555
NCBI Accession #	WP_011080022.1
UniProt Primary Accession #	Q8DAQ0
GenBank Nucleotide #	WP_011080022.1

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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