# Chromosome Partition Protein Muke (mukE) Yersinia Pseudotuberculosis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Chromosome partition protein mukE (mukE), Recombinant Protein |
| **Full Product Name** | Recombinant Yersinia pseudotuberculosis Chromosome partition protein mukE (mukE) |
| **Product Gene Name** | mukE recombinant protein |
| **Product Synonym Gene Name** | mukE |
| **Sequence** | MPVKLAQALA NTLFPALDSQ LRAGRHIGID ELDNHAFLMD FQEQLEEFYA RYNVELIRAP EGFFYLRPRS TTLIPRSVLS ELDMMVGKIL CYLYLSPERL AHEGIFSQQE LYEELLSLAD ESKLLKFVNQ RSTGSDLDKQ KLQEKVRTSL NRLRRLGMIY FMGNDSTKFR ITEAVFRFGA DVRSGDDQRE AQLRMIRDGE AMAVENSLSL HDESDDADVT MGNAADSVED EQE |
| **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** | 26,682 Da |
| **Sequence Positions** | 1-233, 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 Q66CH4 |
| **Species** | Yersinia pseudotuberculosis |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for mukE recombinant protein** | MBS1356395 is a recombinant protein targeting mukE. Also known as Recombinant Yersinia pseudotuberculosis Chromosome partition protein mukE (mukE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of mukE 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 mukE. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 166215050 |
| **NCBI Accession #** | Q66CH4.3 |
| **UniProt Primary Accession #** | Q66CH4 |
| **NCBI Official Full Name** | Chromosome partition protein MukE |

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| **UniProt Protein Name** | Chromosome partition protein MukE |
| **Protein Family** | Chromosome partition protein |
| **UniProt Gene Name** | mukE |
| **UniProt Comments for mukE** | 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. Probably acts via its interaction with MukB and MukF. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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