# Cell Division Topological Specificity Factor (minE) Anabaena Variabilis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Cell division topological specificity factor (minE), Recombinant Protein |
| **Full Product Name** | Recombinant Anabaena variabilis Cell division topological specificity factor (minE) |
| **Product Gene Name** | minE recombinant protein |
| **Product Synonym Gene Name** | minE |
| **Sequence** | MILELLDKLF LRTPDTSRSH VKRRLQLVIA HDRAGLDPET LEKMRKEILD IVCRYVEVES DGLEFALESN QRTTALIANL PIRRVKPELP AFDETSQ |
| **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** | 11,214 Da |
| **Sequence Positions** | 1-97, 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 Q3M7F0 |
| **Species** | Anabaena variabilis (strain 29413 / PCC 7937) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for minE recombinant protein** | MBS1404853 is a recombinant protein targeting minE. Also known as Recombinant Anabaena variabilis Cell division topological specificity factor (minE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of minE 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 minE. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 123608765 |
| **NCBI Accession #** | Q3M7F0.1 |
| **UniProt Primary Accession #** | Q3M7F0 |
| **NCBI Official Full Name** | Cell division topological specificity factor |
| **UniProt Protein Name** | Cell division topological specificity factor |
| **Protein Family** | Cell division topological specificity factor |

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| **UniProt Gene Name** | minE |
| **UniProt Comments for minE** | Prevents the cell division inhibition by proteins MinC and MinD at internal division sites while permitting inhibition at polar sites. This ensures cell division at the proper site by restricting the formation of a division septum at the midpoint of the long axis of the cell. |
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