Cell Division Topological Specificity Factor (minE) Thiomicrospira Crunogena Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell division topological specificity factor (minE), Recombinant Protein
Full Product Name	Recombinant Thiomicrospira crunogena Cell division topological specificity factor (minE)
Product Gene Name	minE recombinant protein
Product Synonym Gene Name	minE
Sequence	MALLDYLLGQ KKKKSANLAK DRLQILLAHE RSERSAPEYL PKMREEILAV ISKYVTIDQE QLQISIDEAN GFEVLELNLV LPDK
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	9,637 Da
Sequence Positions	1-84, 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 Q31GG2
Species	Thiomicrospira crunogena (strain XCL-2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for minE recombinant protein	MBS1429758 is a recombinant protein targeting minE. Also known as Recombinant Thiomicrospira crunogena 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.

NCBI GI #	499689855
NCBI Accession #	WP_011370589.1
UniProt Primary Accession #	Q31GG2
GenBank Nucleotide #	WP_011370589.1
NCBI Official Full Name	cell division topological specificity factor
UniProt Protein Name	Cell division topological specificity factor

Protein Family	Cell division topological specificity factor
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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