Antitoxin Maze (mazE) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Antitoxin MazE (mazE), Recombinant Protein
Full Product Name	Recombinant Staphylococcus saprophyticus subsp. saprophyticus Antitoxin MazE (mazE)
Product Gene Name	mazE recombinant protein
Product Synonym Gene Name	mazE
Sequence	MASFNQSRIH NIEQLLKEGY SQMADLNLSL AAEAFPFECE ACDCNEVYIS SKNNNE
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	6,332 Da
Sequence Positions	1-56, 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 Q49Z23
Species	Staphylococcus saprophyticus subsp. saprophyticus (strain 15305 / DSM 20229)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mazE recombinant protein	MBS1405165 is a recombinant protein targeting mazE. Also known as Recombinant Staphylococcus saprophyticus subsp. saprophyticus Antitoxin MazE (mazE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mazE 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 mazE. It may not necessarily be applicable to this product.

NCBI GI #	499621968
NCBI Accession #	WP_011302702.1
UniProt Primary Accession #	Q49Z23
GenBank Nucleotide #	WP_011302702.1
NCBI Official Full Name	MULTISPECIES: antitoxin MazE
UniProt Protein Name	Antitoxin MazE
Protein Family	Antitoxin

UniProt Gene Name	mazE
UniProt Comments for mazE	Antitoxin component of a type II toxin-antitoxin (TA) system. Labile antitoxin that binds to cognate MazF toxin and counteracts its endoribonuclease activity.
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