Toxic Peptide Txpa (txpA) Bacillus Subtilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Toxic peptide txpA (txpA), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis Toxic peptide txpA (txpA), partial
Product Gene Name	txpA recombinant protein
Sequence	MSTYESLMVM IGFANLIGGI MTWVISLLTL LFMLRKKDTH PIYITVKEKC LHEDPPIKG
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	6,739 Da
Sequence Positions	1-59
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 P54373
Species	Bacillus subtilis (strain 168)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for txpA recombinant protein	MBS1253485 is a recombinant protein targeting txpA. Also known as Recombinant Bacillus subtilis Toxic peptide txpA (txpA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of txpA 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 txpA. It may not necessarily be applicable to this product.

NCBI GI #	16079658
NCBI GeneID	8303122
NCBI Accession #	NP_390482.1
UniProt Primary Accession #	P54373
UniProt Related Accession #	P54373
GenBank Nucleotide #	NC_000964.3
NCBI Official Full Name	hypothetical protein BSU26050
NCBI Official Symbol	yqdB

UniProt Protein Name	Toxin TxpA
Protein Family	Toxic peptide
UniProt Gene Name	txpA
NCBI Protein Information	hypothetical protein
UniProt Comments for txpA	Toxic component of a type I toxin-antitoxin (TA) system (PubMed:16166525). Overexpression of txpA causes cell lysis; the TxpA protein has been suggested to act on the cell membrane or might possibly block cell wall synthesis (PubMed:16166525). Overexpression in E.coli is not toxic (PubMed:16166525).
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