Thioredoxin (trxA) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Thioredoxin (trxA), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Thioredoxin (trxA)
Product Gene Name	trxA recombinant protein
Product Synonym Gene Name	trxA
Sequence	MAIVKVTDAD FDSKVESGVQ LVDFWATWCG PCKMIAPVLE ELAADYEGKA DILKLDVDEN PSTAAKYEVM SIPTLIVFKD GQPVDKVVGF QPKENLAEVL DKHL
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	11,440 Da
Sequence Positions	1-104, 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 Q6GHU0
Species	Staphylococcus aureus (strain MRSA252)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trxA recombinant protein	MBS1404824 is a recombinant protein targeting trxA. Also known as Recombinant Staphylococcus aureus Thioredoxin (trxA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trxA 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 trxA. It may not necessarily be applicable to this product.

NCBI GI #	446941672
NCBI Accession #	WP_001018928.1
UniProt Primary Accession #	Q6GHU0
GenBank Nucleotide #	WP_001018928.1
NCBI Official Full Name	MULTISPECIES: thiol reductase thioredoxin
UniProt Protein Name	Thioredoxin

UniProt Gene Name	trxA
UniProt Synonym Gene Names	Trx
UniProt Comments for trxA	Component of the thioredoxin-thioredoxin reductase system. Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions ().
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