Thioredoxin-1 (trx1) Chlorobium Tepidum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Thioredoxin-1 (trx1), Recombinant Protein
Full Product Name	Recombinant Chlorobium tepidum Thioredoxin-1 (trx1)
Product Gene Name	trx1 recombinant protein
Product Synonym Gene Name	trx1
Sequence	MAQTLDDLIR TSELPVFIDF WADWCGPCKM VAPSVKQLAS EFKGRLIVVK VNVDQQPDAA ARFQVQGIPA LMLFVGGQLK WRTAGAIPYQ QMRQEVLKAI G
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	11,247 Da
Sequence Positions	1-101, 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 Q8KEA4
Species	Chlorobium tepidum (strain 49652 / DSM 12025 / TLS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trx1 recombinant protein	MBS1357049 is a recombinant protein targeting trx1. Also known as Recombinant Chlorobium tepidum Thioredoxin-1 (trx1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trx1 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 trx1. It may not necessarily be applicable to this product.

NCBI GI #	21673615
NCBI GeneID	1006420
NCBI Accession #	NP_661680.1
UniProt Primary Accession #	Q8KEA4
UniProt Related Accession #	Q8KEA4
GenBank Nucleotide #	NC_002932.3

NCBI Official Full Name	thioredoxin
NCBI Official Symbol	trx-1
UniProt Protein Name	Thioredoxin 1
Protein Family	Histone-lysine N-methyltransferase
UniProt Gene Name	trx1
UniProt Synonym Gene Names	Trx-1
NCBI Protein Information	thioredoxin
UniProt Comments for trx1	Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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