Peroxiredoxin TSA1 (TSA1) Candida Albicans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peroxiredoxin TSA1 (TSA1), Recombinant Protein
Full Product Name	Recombinant Candida albicans Peroxiredoxin TSA1 (TSA1)
Product Gene Name	TSA1 recombinant protein
Product Synonym Gene Name	TSA1
Sequence	MAPVVQQPAP SFKKTAVVDG VFEEVTLEQY KGKWVLLAFI PLAFTFVCPS EIIAYSEAVK KFAEKDAQVL FASTDSEYTW LAWTNVARKD GGIGKVDFPV LADTNHSLSR DYGVLIEEEG VALRGIFLID PKGVLRQITI NDLPVGRSVE ESLRLLEAFQ FTEKYGEVCP ANWHPGDETI KPSPEASKEY FNKVNK
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	21,860 Da
Sequence Positions	1-196, Full length
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 Q9Y7F0
Species	Candida albicans (strain SC5314 / MYA-2876) (Yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TSA1 recombinant protein	MBS1330945 is a recombinant protein targeting TSA1. Also known as Recombinant Candida albicans Peroxiredoxin TSA1 (TSA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TSA1 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 TSA1. It may not necessarily be applicable to this product.

NCBI GI #	1111956081
NCBI GeneID	30515214
NCBI Accession #	XP_019330878.1
UniProt Primary Accession #	Q9Y7F0
UniProt Secondary Accession #	Q5A2Z4; A0A1D8PKI8
UniProt Related Accession #	Q9Y7F0

GenBank Nucleotide #	XM_019475333.1
NCBI Official Full Name	Tsa1bp
NCBI Official Symbol	TSA1B
UniProt Protein Name	Peroxiredoxin TSA1-A
UniProt Synonym Protein Names	Thiol-specific antioxidant protein; Thioredoxin peroxidase
Protein Family	Peroxiredoxin
UniProt Gene Name	TSA1
NCBI Protein Information	Tsa1bp
UniProt Comments for TSA1	Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events. Also involved in the correct composition of the hyphal cell wall.
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