Probable Peroxiredoxin 1 (TA0473) Thermoplasma Acidophilum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable peroxiredoxin 1 (Ta0473), Recombinant Protein
Full Product Name	Recombinant Thermoplasma acidophilum Probable peroxiredoxin 1 (Ta0473)
Product Gene Name	Ta0473 recombinant protein
Product Synonym Gene Name	Ta0473
Sequence	MPDENKFPLI GEKFPEMTVE TTHGSMKLPD QYKGRWFMLF SHPGDFTPVC TTEFYSFARR FEDFQKINTD LIGLSVDSTI SHIEWVNWIR DNLKIEVPFP IIGDSMGRVA TRLGMIQAES STSTVRAVFI VDPNSTVRLI MYYPLEIGRN VDELLRAIKA LQMSDKYRGA MPANWPYNEL IGEKMLNPAP KNVKDATGRL KEFKGYAWWL TYKDVPDNEV QETKKIVKMR EEK
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	26,983 Da
Sequence Positions	1-233, 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 Q9HKX0
Species	Thermoplasma acidophilum (strain 25905 / DSM 1728 / JCM 9062 / NBRC 15155 / AMRC-C165)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ta0473 recombinant protein	MBS1379686 is a recombinant protein targeting Ta0473. Also known as Recombinant Thermoplasma acidophilum Probable peroxiredoxin 1 (Ta0473). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ta0473 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 Ta0473. It may not necessarily be applicable to this product.

NCBI GI #	851298188
NCBI Accession #	WP_048161603.1
UniProt Primary Accession #	Q9HKX0
GenBank Nucleotide #	WP_048161603.1
NCBI Official Full Name	peroxiredoxin

UniProt Protein Name	Peroxiredoxin 1
Protein Family	Peroxiredoxin
UniProt Gene Name	Ta0473
UniProt Comments for Ta0473	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.
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