Probable Peroxiredoxin (Mm_0814) (MM_0814) Methanosarcina Mazei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable peroxiredoxin (MM_0814), Recombinant Protein
Full Product Name	Recombinant Methanosarcina mazei Probable peroxiredoxin (MM_0814)
Product Gene Name	MM_0814 recombinant protein
Product Synonym Names	Probable peroxiredoxin; EC=1.11.1.15
Sequence	MPLIGDDAPS FTAVTTQGII KFPDDYKGKW VILFSHPADF TPVCTTEFMT FASMQEEFRS MNTELIGLSI DSVFSHIAWL KRIEEKIEYK GMKNLEIKFP VIEDLKMDVA KKYGMVQPKA STTQAVRAVF IIDPEAKIRT ILYYPQSTGR NMQEIKRIVV ALQKNAAEKV ATPANWQPGE DVIIPPPSSM EAVKERMGKE EEGKRCLDWF MCLKKDTQK
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	24,946 Da
Sequence Positions	1-219aa; 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 Q8PYP6
Species	Methanosarcina mazei (strain BAA-159 / DSM 3647 / Goe1 / Go1 / JCM 11833 / OCM 88) (Methanosarcina frisia)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MM_0814 recombinant protein	MBS1479404 is a recombinant protein targeting MM_0814. Also known as Recombinant Methanosarcina mazei Probable peroxiredoxin (MM_0814). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MM_0814 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 MM_0814. It may not necessarily be applicable to this product.

NCBI GI #	21226916
NCBI GeneID	1479156
NCBI Accession #	NP_632838.1
UniProt Primary Accession #	Q8PYP6
UniProt Related Accession #	Q8PYP6

GenBank Nucleotide #	NC_003901.1
NCBI Official Full Name	peroxiredoxin
NCBI Official Symbol	MM_0814
UniProt Protein Name	Peroxiredoxin
UniProt Gene Name	MM_0814
UniProt Entry Name	TDXH_METMA
NCBI Protein Information	peroxiredoxin
UniProt Comments for MM_0814	Protects cells against oxidative stress. Can reduce hydrogen peroxide and/or alkyl hydroperoxides using dithiothreitol as an electron donor (in vitro).
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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