Peptide Methionine Sulfoxide Reductase Msra 1 (msrA1) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptide methionine sulfoxide reductase MsrA 1 (msrA1), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Peptide methionine sulfoxide reductase MsrA 1 (msrA1)
Product Gene Name	msrA1 recombinant protein
Product Synonym Gene Name	msrA1
Sequence	MNINTAYFAG GCFWCMTKPF DTFDGIEKVT SGYMGGHIEN PTYEQVKSGT SGHLETVEIQ YDVALFSYNK LLEIFFSVID PLDTGGQYQD RGPQYQTAIF YTNDHQKELA ETYIEQLKNT INADKAIATK ILPASQFYKA EDYHQDFYKK NPERYAEEQK IRQEYKNKQ
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	19,611 Da
Sequence Positions	1-169, 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 Q6G9J8
Species	Staphylococcus aureus (strain MSSA476)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for msrA1 recombinant protein	MBS1337495 is a recombinant protein targeting msrA1. Also known as Recombinant Staphylococcus aureus Peptide methionine sulfoxide reductase MsrA 1 (msrA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of msrA1 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 msrA1. It may not necessarily be applicable to this product.

NCBI GI #	446947574
NCBI Accession #	WP_001024830.1
UniProt Primary Accession #	Q6G9J8
GenBank Nucleotide #	WP_001024830.1
NCBI Official Full Name	MULTISPECIES: peptide-methionine (S)-S-oxide reductase

UniProt Protein Name	Peptide methionine sulfoxide reductase MsrA 1
UniProt Synonym Protein Names	Peptide-methionine (S)-S-oxide reductase 1
Protein Family	Peptide methionine sulfoxide reductase
UniProt Gene Name	msrA1
UniProt Synonym Gene Names	Protein-methionine-S-oxide reductase 1; Peptide Met(O) reductase 1
UniProt Comments for msrA1	Has an important function as a repair enzyme for proteins that have been inactivated by oxidation. Catalyzes the reversible oxidation-reduction of methionine sulfoxide in proteins to methionine.
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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