Peptide Methionine Sulfoxide Reductase Msra (msrA) Klebsiella Pneumoniae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptide methionine sulfoxide reductase MsrA (msrA), Recombinant Protein
Full Product Name	Recombinant Klebsiella pneumoniae Peptide methionine sulfoxide reductase MsrA (msrA)
Product Gene Name	msrA recombinant protein
Sequence	MSLFDKTHLV AQADALPGRN TPMPVATLHA VNGHSMTNVP AGMEVALFAM GCFWGVERLF WQLPGVYSTA AGYTGGYTPN PTYREVCSGQ TGHAEAVRVV YDPQVISYEQ LLQVFWENHD PAQGMRQGND HGTQYRSAIY PLTPEQTAAA KASLARFQAA MNDAHDTRHI TTEIATAKPF YYAEDDHQQY LYKNPHGYCG IGGIGVCLPP Q
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	23,180 Da
Sequence Positions	1-211, 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 B5Y2Y3
Species	Klebsiella pneumoniae (strain 342)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for msrA recombinant protein	MBS1200734 is a recombinant protein targeting msrA. Also known as Recombinant Klebsiella pneumoniae Peptide methionine sulfoxide reductase MsrA (msrA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of msrA 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 msrA. It may not necessarily be applicable to this product.

NCBI GI #	496082645
NCBI Accession #	WP_008807152.1
UniProt Primary Accession #	B5Y2Y3
GenBank Nucleotide #	WP_008807152.1
NCBI Official Full Name	MULTISPECIES: peptide-methionine (S)-S-oxide reductase
UniProt Protein Name	Peptide methionine sulfoxide reductase MsrA

UniProt Synonym Protein Names	Peptide-methionine (S)-S-oxide reductase
Protein Family	Erythromycin resistance ATP-binding protein
UniProt Gene Name	msrA
UniProt Synonym Gene Names	Protein-methionine-S-oxide reductase; Peptide Met(O) reductase
UniProt Comments for msrA	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.
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