Peptide Methionine Sulfoxide Reductase Msra/Msrb (msrAB) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptide methionine sulfoxide reductase MsrA/MsrB (msrAB), Recombinant Protein
Full Product Name	Recombinant Neisseria meningitidis serogroup A / serotype 4A Peptide methionine sulfoxide reductase MsrA/MsrB (msrAB), partial
Product Gene Name	msrAB recombinant protein
Product Synonym Gene Name	msrAB
Sequence	TYKKPSDAEL KRTLTEEQYQ VTQNSATEYA FSHEYDHLFK PGIYVDVVSG EPLFSSADKY DSGCGWPSFT RPIDAKSVTE HDDFSYNMRR TEVRSHAADS HLGHVFPDGP RDKGGLRYCI NGASLKFIPL EQMDAAGYGA LKSKVK
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	58,015 Da
Sequence Positions	377-522aa; partial (include MsrB dommain)
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 Q9JWM8
Species	Neisseria meningitidis serogroup A / serotype 4A (strain Z2491)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for msrAB recombinant protein	MBS1455835 is a recombinant protein targeting msrAB. Also known as Recombinant Neisseria meningitidis serogroup A / serotype 4A Peptide methionine sulfoxide reductase MsrA/MsrB (msrAB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of msrAB 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 msrAB. It may not necessarily be applicable to this product.

NCBI GI #	488144955
NCBI Accession #	WP_002216163.1
UniProt Primary Accession #	Q9JWM8
UniProt Secondary Accession #	A1IPD1
GenBank Nucleotide #	WP_002216163.1

NCBI Official Full Name	MULTISPECIES: peptide methionine sulfoxide reductase MsrA/MsrB
UniProt Protein Name	Peptide methionine sulfoxide reductase MsrA/MsrB
UniProt Synonym Protein Names	ThioredoxinPeptide methionine sulfoxide reductase MsrA (EC:1.8.4.11); Protein-methionine-S-oxide reductaseAlternative name(s):Peptide-methionine (S)-S-oxide reductase; Peptide Met(O) reductase
Protein Family	Peptide methionine sulfoxide reductase
UniProt Gene Name	msrAB
UniProt Synonym Gene Names	pilB; Protein-methionine-S-oxide reductase; Peptide Met(O) reductase
UniProt Comments for msrAB	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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