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

PRODUCT OVERVIEW

Product Name	Peptide methionine sulfoxide reductase MsrA/MsrB (msrAB), Recombinant Protein
Full Product Name	Recombinant Aggregatibacter actinomycetemcomitans Peptide methionine sulfoxide reductase MsrA/MsrB (msrAB)
Product Gene Name	msrAB recombinant protein
Product Synonym Names	Peptide methionine sulfoxide reductase MsrA/MsrB; Including the following 2 domains:; Peptide methionine sulfoxide reductase MsrA; Protein-methionine-S-oxide reductase; EC=1.8.4.11; Peptide-methionine (S)-S-oxide reductase; Peptide Met(O) reductase; Pepti
Sequence	MKKSKLVVAL AAILSCAAIP TTVMAESNVQ QTMEKSNMSE AKKDLHEIYL AGGCFWGIEA YMERIYGVED AISGYANGKS DKTNYQKIGI TDHAETVKVT YDRNKVSLDK LLKYYFQVID PTSVNKQGND RGRQYRTGIY YQDTADKSII EKEITALQGK YKNKIQIEVE PLHNYIVAEE YHQDYLKKNP NGYCHIDLEQ ANYVIIDEKD YPKPSDAELK AKLTPLQYSV TQNKNTEHSF SNEYWDNFKP GIYVDVTTGE PLFSSKDKFE SGCGWPSFTK PITKEVVTYQ DDHSFNMLRT EVISRSGKAH LGHVFDDGPK DKGGLRYCIN SAAVKFIPLE DMVKENYGYL TNAVKE
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	40,476 Da
Sequence Positions	1-356aa; 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 Q9AL99
Species	Aggregatibacter actinomycetemcomitans (Actinobacillus actinomycetemcomitans) (Haemophilus actinomycetemcomitans)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for msrAB recombinant protein	MBS1452448 is a recombinant protein targeting msrAB. Also known as Recombinant Aggregatibacter actinomycetemcomitans Peptide methionine sulfoxide reductase MsrA/MsrB (msrAB). 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 #	20455137

NCBI Accession #	Q9AL99.1
UniProt Primary Accession #	Q9AL99
NCBI Official Full Name	Peptide methionine sulfoxide reductase MsrA/MsrB
UniProt Protein Name	Peptide methionine sulfoxide reductase MsrA/MsrB
UniProt Synonym Protein Names	Peptide-methionine (S)-S-oxide reductase; Peptide Met(O) reductase
Protein Family	Peptide methionine sulfoxide reductase
UniProt Gene Name	msrAB
UniProt Synonym Gene Names	Protein-methionine-S-oxide reductase; Peptide Met(O) reductase
UniProt Entry Name	MSRAB_AGGAC
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 ().
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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