Superoxide Dismutase [Fe] (sodB) Mycobacterium Bovis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Superoxide dismutase [Fe] (sodB), Recombinant Protein
Full Product Name	Recombinant Mycobacterium bovis Superoxide dismutase [Fe] (sodB)
Product Gene Name	sodB recombinant protein
Product Synonym Gene Name	sodB
Sequence	MAEYTLPDLD WDYGALEPHI SGQINELHHS KHHATYVKGA NDAVAKLEEA RAKEDHSAIL LNEKNLAFNL AGHVNHTIWW KNLSPNGGDK PTGELAAAIA DAFGSFDKFR AQFHAAATTV QGSGWAALGW DTLGNKLLIF QVYDHQTNFP LGIVPLLLLD MWEHAFYLQY KNVKVDFAKA FWNVVNWADV QSRYAAATSQ TKGLTFG
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	23,022 Da
Sequence Positions	1-207, 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 Q7TVI9
Species	Mycobacterium bovis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sodB recombinant protein	MBS1342257 is a recombinant protein targeting sodB. Also known as Recombinant Mycobacterium bovis Superoxide dismutase [Fe] (sodB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sodB 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 sodB. It may not necessarily be applicable to this product.

NCBI GI #	31795020
NCBI GeneID	1093867
NCBI Accession #	NP_857513.1
UniProt Primary Accession #	Q7TVI9
UniProt Secondary Accession #	A0A1R3Y5F7; X2BPS3
GenBank Nucleotide #	NC_002945.3

NCBI Official Full Name	superoxide dismutase
UniProt Protein Name	Superoxide dismutase [Fe]
Protein Family	Extracellular superoxide dismutase
UniProt Gene Name	sodB
UniProt Synonym Gene Names	sodA
UniProt Comments for sodB	Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems.
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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