Superoxide Dismutase [Mn], Mitochondrial (SOD) Prunus Persica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Superoxide dismutase [Mn], mitochondrial (SOD), Recombinant Protein
Full Product Name	Recombinant Prunus persica Superoxide dismutase [Mn], mitochondrial (SOD)
Product Gene Name	SOD recombinant protein
Product Synonym Gene Name	SOD
Sequence	LQTFSLPDLP YNYGALEPAI SGDIMQLHHQ NHHQTYVTNY NKALEQLHDA ISKGDAPTVA KLHSAIKFNG GGHINHSIFW KNLAPVREGG GEPPKGSLGW AIDTNFGSLE ALVQKMNAEG AALQGSGWVW LALDKELKKL VVETTANQDP LVTKGPTLVP LLGIDVWEHA YYLQYKNVRP DYLKNIWKVI NWKYASEVYE KESP
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	25,455 Da
Sequence Positions	25-228, 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 Q9SM64
Species	Prunus persica (Peach) (Amygdalus persica)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SOD recombinant protein	MBS1354049 is a recombinant protein targeting SOD. Also known as Recombinant Prunus persica Superoxide dismutase [Mn], mitochondrial (SOD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SOD 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 SOD. It may not necessarily be applicable to this product.

NCBI GI #	37999810
NCBI Accession #	Q9SM64.1
UniProt Primary Accession #	Q9SM64
NCBI Official Full Name	Superoxide dismutase
UniProt Protein Name	Superoxide dismutase [Mn], mitochondrial
Protein Family	Putative superoxide dismutase

UniProt Gene Name	SOD
UniProt Synonym Gene Names	MNSOD1
UniProt Comments for SOD	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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