Superoxide Dismutase [Cu-Zn] (sod1) Lampanyctus Crocodilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Superoxide dismutase [Cu-Zn] (sod1), Recombinant Protein
Full Product Name	Recombinant Lampanyctus crocodilus Superoxide dismutase [Cu-Zn] (sod1)
Product Gene Name	sod1 recombinant protein
Sequence	VKAVCVLKGT TGEVTGTVYF EQESDSAPVK LTGQIIGLAP GLHGFHVHAF GDNTNXXXXX XXXXXXXXXT HAGPTDKDRH VGDLGNVAKI DITDKMLTLN GPLSIIGRTM VIHEKADDLG KGGNDESLKT GNAGGRMA
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	14,580 Da
Sequence Positions	2-139, 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 P81036
Species	Lampanyctus crocodilus (Jewel lanternfish) (Gasteropelecus crocodilus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sod1 recombinant protein	MBS1227079 is a recombinant protein targeting sod1. Also known as Recombinant Lampanyctus crocodilus Superoxide dismutase [Cu-Zn] (sod1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sod1 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 sod1. It may not necessarily be applicable to this product.

NCBI GI #	122064580
NCBI Accession #	P81036.2
UniProt Primary Accession #	P81036
NCBI Official Full Name	Superoxide dismutase
UniProt Protein Name	Superoxide dismutase [Cu-Zn]
Protein Family	Superoxide dismutase
UniProt Gene Name	sod1

UniProt Comments for sod1	Destroys 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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