Superoxide Dismutase [Mn], Mitochondrial (SOD2) Pongo Pygmaeus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Superoxide dismutase [Mn], mitochondrial (SOD2), Recombinant Protein
Full Product Name	Recombinant Pongo pygmaeus Superoxide dismutase [Mn], mitochondrial (SOD2)
Product Gene Name	SOD2 recombinant protein
Product Synonym Gene Name	SOD2
Sequence	KHSLPDLPYD YGALEPHINA QIMQLHHSKH HAAYVNNLNV TEEKYQEALA KGDVTAQIAL QPALKFNGGG HINHSIFWTN LSPNGGGEPK GELLEAIKRD FGSFDKFKEK LTAASVGVQG SGWGWLGFNK ERGHLQIAAC PNQDPLQGTT GLIPLLGIDV WEHAYYLQYK NVRPDYLKAI WNVINWENVT ERYMACKK
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	24,708 Da
Sequence Positions	25-222, 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 Q8HXP6
Species	Pongo pygmaeus (Bornean orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SOD2 recombinant protein	MBS1423744 is a recombinant protein targeting SOD2. Also known as Recombinant Pongo pygmaeus Superoxide dismutase [Mn], mitochondrial (SOD2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SOD2 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 SOD2. It may not necessarily be applicable to this product.

NCBI GI #	73620995
NCBI Accession #	Q8HXP6.3
UniProt Primary Accession #	Q8HXP6
UniProt Secondary Accession #	Q5R445
NCBI Official Full Name	Superoxide dismutase
UniProt Protein Name	Superoxide dismutase [Mn], mitochondrial

Protein Family	Na(+)/H(+) antiporter
UniProt Gene Name	SOD2
UniProt Comments for SOD2	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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