Superoxide Reductase (sorA) Pyrococcus Abyssi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Superoxide reductase (sorA), Recombinant Protein
Full Product Name	Recombinant Pyrococcus abyssi Superoxide reductase (sorA)
Product Gene Name	sorA recombinant protein
Product Synonym Gene Name	sorA
Sequence	MLKDTIKSGD WKGEKHVPVI EYEKEGDLVK VEVSVGKEIP HPNTPEHHIA WIELYFHPED GQFPILVGRV AFTSHDDPLT EPRAVFFFKT KKKGKLYALS YCNIHGLWEN EVQLE
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	13,298 Da
Sequence Positions	1-115, 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 Q9V098
Species	Pyrococcus abyssi (strain GE5 / Orsay)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sorA recombinant protein	MBS1357314 is a recombinant protein targeting sorA. Also known as Recombinant Pyrococcus abyssi Superoxide reductase (sorA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sorA 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 sorA. It may not necessarily be applicable to this product.

NCBI GI #	851281640
NCBI Accession #	WP_048146718.1
UniProt Primary Accession #	Q9V098
UniProt Secondary Accession #	G8ZI59
GenBank Nucleotide #	WP_048146718.1
NCBI Official Full Name	superoxide reductase

UniProt Protein Name	Superoxide reductase
Protein Family	Superoxide reductase
UniProt Gene Name	sorA
UniProt Synonym Gene Names	SOR
UniProt Comments for sorA	Uses electrons from reduced NADP, by way of rubredoxin and an oxidoreductase, to catalyze the reduction of superoxide to hydrogen peroxide.
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