Sulfite Reductase [NADPH] Hemoprotein Beta-Component (cysI) Acidithiobacillus Ferrooxidans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sulfite reductase [NADPH] hemoprotein beta-component (cysI), Recombinant Protein
Full Product Name	Recombinant Acidithiobacillus ferrooxidans Sulfite reductase [NADPH] hemoprotein beta-component (cysI), partial
Product Gene Name	cysI recombinant protein
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	61,946 Da
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 B5EQW2
Species	Acidithiobacillus ferrooxidans (strain 53993) (Leptospirillum ferrooxidans (53993))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cysI recombinant protein	MBS1163804 is a recombinant protein targeting cysI. Also known as Recombinant Acidithiobacillus ferrooxidans Sulfite reductase [NADPH] hemoprotein beta-component (cysI), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cysI 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 cysI. It may not necessarily be applicable to this product.

NCBI GI #	497252584
NCBI Accession #	WP_009566801.1
UniProt Primary Accession #	B5EQW2
GenBank Nucleotide #	WP_009566801.1
NCBI Official Full Name	MULTISPECIES: sulfite reductase subunit beta
UniProt Protein Name	Sulfite reductase [NADPH] hemoprotein beta-component
Protein Family	Putative sulfite reductase [NADPH] hemoprotein
UniProt Gene Name	cysI
UniProt Synonym Gene Names	SiR-HP; SiRHP

UniProt Comments for cysI	Component of the sulfite reductase complex that catalyzes the 6-electron reduction of sulfite to sulfide. This is one of several activities required for the biosynthesis of L-cysteine from sulfate.
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