Sulfite Reductase [NADPH] Flavoprotein Alpha-Component (cysJ) Shigella Flexneri Serotype 5b Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sulfite reductase [NADPH] flavoprotein alpha-component (cysJ), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri serotype 5b Sulfite reductase [NADPH] flavoprotein alpha-component (cysJ), partial
Product Gene Name	cysJ recombinant protein
Product Synonym Gene Name	cysJ
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	66,343 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 Q0T1I8
Species	Shigella flexneri serotype 5b (strain 8401)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cysJ recombinant protein	MBS1424273 is a recombinant protein targeting cysJ. Also known as Recombinant Shigella flexneri serotype 5b Sulfite reductase [NADPH] flavoprotein alpha-component (cysJ), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cysJ 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 cysJ. It may not necessarily be applicable to this product.

NCBI GI #	446134094
NCBI Accession #	WP_000211949.1
UniProt Primary Accession #	Q0T1I8
GenBank Nucleotide #	WP_000211949.1
NCBI Official Full Name	MULTISPECIES: assimilatory sulfite reductase (NADPH) flavoprotein subunit
UniProt Protein Name	Sulfite reductase [NADPH] flavoprotein alpha-component
Protein Family	Sulfite reductase
UniProt Gene Name	cysJ

UniProt Synonym Gene Names	SiR-FP
UniProt Comments for cysJ	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. The flavoprotein component catalyzes the electron flow from NADPH -> FAD -> FMN to the hemoprotein component.
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