Succinyl-Coa Ligase [GDP-Forming] Subunit Beta, Mitochondrial (scsB) Dictyostelium Discoideum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial (scsB), Recombinant Protein
Full Product Name	Recombinant Dictyostelium discoideum Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial (scsB), partial
Product Gene Name	scsB recombinant protein
Product Synonym Gene Name	scsB
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	45,664 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 Q869S7
Species	Dictyostelium discoideum (Slime mold)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for scsB recombinant protein	MBS1356446 is a recombinant protein targeting scsB. Also known as Recombinant Dictyostelium discoideum Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial (scsB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of scsB 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 scsB. It may not necessarily be applicable to this product.

NCBI GI #	66821399
NCBI GeneID	8619612
NCBI Accession #	XP_644183.1
UniProt Primary Accession #	Q869S7
UniProt Secondary Accession #	Q554Z0
GenBank Nucleotide #	XM_639091.1
NCBI Official Full Name	succinate-CoA ligase

NCBI Official Symbol	scsB
UniProt Protein Name	Succinate--CoA ligase [GDP-forming] subunit beta, mitochondrial
UniProt Synonym Protein Names	GTP-specific succinyl-CoA synthetase subunit beta
UniProt Gene Name	scsB
UniProt Synonym Gene Names	suclg2; G-SCS; GTPSCS; SCS-betaG
NCBI Protein Information	GTP-specific succinyl-CoA synthetase beta subunit; succinate-CoA ligase
UniProt Comments for scsB	GTP-specific succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of GTP and thus represents the only step of substrate-level phosphorylation in the TCA. The beta subunit provides nucleotide specificity of the enzyme and binds the substrate succinate, while the binding sites for coenzyme A and phosphate are found in the alpha subunit.
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