Succinyl-Coa Ligase [ADP-Forming] Subunit Beta (sucC) Pyrobaculum Aerophilum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Succinyl-CoA ligase [ADP-forming] subunit beta (sucC), Recombinant Protein
Full Product Name	Recombinant Pyrobaculum aerophilum Succinyl-CoA ligase [ADP-forming] subunit beta (sucC)
Product Gene Name	sucC recombinant protein
Product Synonym Gene Name	sucC
Sequence	MKLHEYEAKE LFSKYGVKIP PGKVALTPEE VLKIAREIGA PVVLKAQVVV AGRGKAGGIK VANSPEEAYE LSKRMFGMNI KGLIVKKLYV TKFVEVEREM YLSLIIDRAS RRYLFLASPV GGMDIEEIAK TSPEKIKRVY VDPATGLRDY HVRSIVSWLG FKQGTSQWQQ AASIVQAMYR IMVDYDAELV ESNPLAVTKE GEVIPLDARV IVDDNALFKH PELEKALEED PRDVTEFEAY AKKIGFHYVE LDGDVGIIGN GAGLTMATMD LVYHFGGRPA NFLDIGGGAS REVVKEAVKV LLHHPRVKVI FVNIFGGITR ADEVALGIKE ALAESGGTNK KIVVRMKGTN EELGRAILAE IGVPLFDSAE EAAKKAVELA RV
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	41,980 Da
Sequence Positions	1-382, 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 Q8ZVF3
Species	Pyrobaculum aerophilum (strain 51768 / IM2 / DSM 7523 / JCM 9630 / NBRC 100827)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sucC recombinant protein	MBS1338842 is a recombinant protein targeting sucC. Also known as Recombinant Pyrobaculum aerophilum Succinyl-CoA ligase [ADP-forming] subunit beta (sucC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sucC 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 sucC. It may not necessarily be applicable to this product.

NCBI GI #	21264039
NCBI Accession #	Q8ZVF3.1
UniProt Primary Accession #	Q8ZVF3

NCBI Official Full Name	Succinate--CoA ligase
UniProt Protein Name	Succinate--CoA ligase [ADP-forming] subunit beta
UniProt Synonym Protein Names	Succinyl-CoA synthetase subunit beta
Protein Family	Succinate--CoA ligase
UniProt Gene Name	sucC
UniProt Synonym Gene Names	SCS-beta
UniProt Comments for sucC	Succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of either ATP or 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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