Propionyl-Coa:succinate Coa Transferase (scpC) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Propionyl-CoA:succinate CoA transferase (scpC), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Propionyl-CoA:succinate CoA transferase (scpC)
Product Gene Name	scpC recombinant protein
Sequence	METQWTRMTA NEAAEIIQHN DMVAFSGFTP AGSPKALPTA IARRANEQHE AKKPYQIRLL TGASISAAAD DVLSDADAVS WRAPYQTSSG LRKKINQGAV SFVDLHLSEV AQMVNYGFFG DIDVAVIEAS ALAPDGRVWL TSGIGNAPTW LLRAKKVIIE LNHYHDPRVA ELADIVIPGA PPRRNSVSIF HAMDRVGTRY VQIDPKKIVA VVETNLPDAG NMLDKQNPMC QQIADNVVTF LLQEMAHGRI PPEFLPLQSG VGNINNAVMA RLGENPVIPP FMMYSEVLQE SVVHLLETGK ISGASASSLT ISADSLRKIY DNMDYFASRI VLRPQEISNN PEIIRRLGVI ALNVGLEFDI YGHANSTHVA GVDLMNGIGG SGDFERNAYL SIFMAPSIAK EGKISTVVPM CSHVDHSEHS VKVIITEQGI ADLRGLSPLQ RARTIIDNCA HPMYRDYLHR YLENAPGGHI HHDLSHVFDL HRNLIATGSM LG
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	53,824 Da
Sequence Positions	1-492, 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 P52043
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for scpC recombinant protein	MBS1229943 is a recombinant protein targeting scpC. Also known as Recombinant Escherichia coli Propionyl-CoA:succinate CoA transferase (scpC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of scpC 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 scpC. It may not necessarily be applicable to this product.

NCBI GI #	16130821
NCBI GeneID	947402
NCBI Accession #	NP_417395.1
UniProt Primary Accession #	P52043
UniProt Secondary Accession #	Q2M9S2

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	propionyl-CoA:succinate CoA transferase
NCBI Official Symbol	scpC
NCBI Official Synonym Symbols	ECK2916; JW2887; ygfH
UniProt Protein Name	Propionyl-CoA:succinate CoA transferase
Protein Family	Propionyl-CoA:succinate CoA transferase
UniProt Gene Name	scpC
UniProt Synonym Gene Names	ygfH
NCBI Protein Information	propionyl-CoA:succinate CoA transferase
NCBI Summary for scpC	Part of a four gene operon encoding enzymes converting succinate to propionate. [More information is available at EcoGene: EG12973]. The ygfH-encoded enzyme is a CoA transferase. [More information is available at EcoCyc: G7517].
UniProt Comments for scpC	Catalyzes the transfer of coenzyme A from propionyl-CoA to succinate. Could be part of a pathway that converts succinate to propionate.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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