2-Succinyl-6-Hydroxy-2,4-Cyclohexadiene-1-Carboxylate Synthase (menH) Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase (menH), Recombinant Protein
Full Product Name	Recombinant Yersinia enterocolitica serotype O:8 / biotype 1B 2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase (menH)
Product Gene Name	menH recombinant protein
Sequence	MTLACCKLDP HPQSPARQHT GPWLVWLHGL LGSGQDWLPV AELCGDYPSL LIDLPGHGNS VALTTTGFED ISRQISETLQ ANGIREYWLA GYSLGGRIAM YHACYGHKVG LQGLLVEGGN LGLESDELRK ARFEQDCQWA QRFRHEPLPQ VLADWYQQDV FADLDSQQRE QLVAVRANNH GPAVADMLEA TSLGHQPWLL PALQCLSVPY TYLCGERDHK FQQVAHQYKL PLRTLARAGH NAHRANPGAF AALVLSFLSQ SSFLPLSSFL PPSR
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	30,412 Da
Sequence Positions	1-274, 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 A1JKU0
Species	Yersinia enterocolitica serotype O:8 / biotype 1B (strain 8081)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for menH recombinant protein	MBS1152765 is a recombinant protein targeting menH. Also known as Recombinant Yersinia enterocolitica serotype O:8 / biotype 1B 2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase (menH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of menH 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 menH. It may not necessarily be applicable to this product.

NCBI GI #	123441707
NCBI GeneID	4712743
NCBI Accession #	YP_001005691.1
UniProt Primary Accession #	A1JKU0

GenBank Nucleotide #	NC_008800.1
NCBI Official Full Name	acyl-CoA thioester hydrolase YfbB
NCBI Official Symbol	YE1376
UniProt Protein Name	2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase
Protein Family	2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase
UniProt Gene Name	menH
UniProt Synonym Gene Names	SHCHC synthase
NCBI Protein Information	2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase
UniProt Comments for menH	Catalyzes a proton abstraction reaction that results in 2,5-elimination of pyruvate from 2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate (SEPHCHC) and the formation of 2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate (SHCHC).
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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