3-Ketoacyl-Coa Thiolase (fadI) Cronobacter Sakazakii Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-ketoacyl-CoA thiolase (fadI), Recombinant Protein
Full Product Name	Recombinant Cronobacter sakazakii 3-ketoacyl-CoA thiolase (fadI)
Product Gene Name	fadI recombinant protein
Product Synonym Gene Name	fadI; ESA_00881
Product Synonym Names	3-ketoacyl-CoA thiolase; EC=2.3.1.16; ACSs; Acetyl-CoA acyltransferase; Acyl-CoA ligase; Beta-ketothiolase; Fatty acid oxidation complex subunit beta
Sequence	MSQALPLVTR QGDRIAIVSG LRTPFARQAT AYHGVPAVDL GKMVVGELLA RSEIPPEVIE QLVFGQVVQM PEAPNIAREI VLGTGMSVHT DAYSVSRACA TSFQAVANVA ESLMAGTIRA GIAGGADSSS VLPIGVSKKL ARTLVDANKA RTAGQRLKLF SRLRLRDLLP VPPAVAEYST GLRMGDTAEQ MAKTHGITRE QQDALAHRSH QLAAQAWAEG KLREEVMTAY TPPYREPLSE DNNIRKTSSL ADYAKLRPAF DRKHGTVTAA NSTPLTDGAA AVILMTESRA RELGLTPLGY LRSYAFTAVD VWQDMLLGPA WSTPLALERA GLTMADLTLI DMHEAFASQT LTNLKLMASD RFAREVLGRS QATGEVDESK FNVLGGSIAY GHPFAATGAR MITQTLNELR RRGGGFGLVT ACAAGGLGAA MVLEAE
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	46,525 Da
Sequence Positions	1-436
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 A7MH80
Species	Cronobacter sakazakii (strain BAA-894) (Enterobacter sakazakii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fadI recombinant protein	MBS1251217 is a recombinant protein targeting fadI. Also known as Recombinant Cronobacter sakazakii 3-ketoacyl-CoA thiolase (fadI). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fadI 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 fadI. It may not necessarily be applicable to this product.

NCBI GI #	501073178
NCBI GeneID	5550274

NCBI Accession #	WP_012124132.1
UniProt Primary Accession #	A7MH80
UniProt Related Accession #	A7MH80
GenBank Nucleotide #	WP_012124132.1
NCBI Official Full Name	3-ketoacyl-CoA thiolase
NCBI Official Symbol	fadI
UniProt Protein Name	3-ketoacyl-CoA thiolase
UniProt Synonym Protein Names	ACSs; Acetyl-CoA acyltransferase; Acyl-CoA ligase; Beta-ketothiolase; Fatty acid oxidation complex subunit beta
UniProt Gene Name	fadI
UniProt Entry Name	FADI_CROS8
NCBI Protein Information	3-ketoacyl-CoA thiolase
UniProt Comments for fadI	Catalyzes the final step of fatty acid oxidation in which acetyl-CoA is released and the CoA ester of a fatty acid two carbons shorter is formed.
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