Beta-Ketoadipyl-Coa Thiolase (pcaF) Pseudomonas Putida Recombinant Protein

PRODUCT OVERVIEW

Product Name	Beta-ketoadipyl-CoA thiolase (pcaF), Recombinant Protein
Full Product Name	Recombinant Pseudomonas putida Beta-ketoadipyl-CoA thiolase (pcaF)
Product Gene Name	pcaF recombinant protein
Product Synonym Gene Name	pcaF
Sequence	MRDVFICDAI RTPIGRFGGA LAGVRADDLA AVPLKALIEP NPAVQWDQVD EVFFGCANQA GEDNRNVARM ALLLAGLPES IPGVTLNRLC ASGMDAIGTA FRAIASGEME LAIAGGVESM SRAPFVMGKA ESGYSRNMKL EDTTIGWRFI NPLMKSQYGV DSMPETADNV ADDYQVSRAD QDAFALRSQQ KAAAAQAAGF FAEEIVPVRI AHKKGETIVE RDEHLRPETT LEALTKLKPV NGPDKTVTAG NASGVNDGAA ALILASAEAV KKHGLTPRAR VLGMASGGVA PRVMGIGPVP AVRKLTERLG VAVSDFDVIE LNEAFASQGL AVLRELGVAD DAPQVNPNGG AIALGHPLGM SGARLVLTAL HQLEKSGGRK GLATMCVGVG QGLALAIERV
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	41,781 Da
Sequence Positions	1-400, 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 Q51956
Species	Pseudomonas putida (Arthrobacter siderocapsulatus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pcaF recombinant protein	MBS1351970 is a recombinant protein targeting pcaF. Also known as Recombinant Pseudomonas putida Beta-ketoadipyl-CoA thiolase (pcaF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pcaF 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 pcaF. It may not necessarily be applicable to this product.

NCBI GI #	6093653
NCBI Accession #	Q51956.1
UniProt Primary Accession #	Q51956
NCBI Official Full Name	Beta-ketoadipyl-CoA thiolase

UniProt Protein Name	Beta-ketoadipyl-CoA thiolase
UniProt Synonym Protein Names	3-oxoadipyl-CoA thiolase
UniProt Gene Name	pcaF
UniProt Comments for pcaF	Catalyzes thiolytic cleavage of beta-ketoadipyl-CoA to succinyl-CoA and acetyl-CoA.
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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