Lauroyl-Acyl Carrier Protein Thioesterase, Chloroplastic (FATB1) Umbellularia Californica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lauroyl-acyl carrier protein thioesterase, chloroplastic (FATB1), Recombinant Protein
Full Product Name	Recombinant Umbellularia californica Lauroyl-acyl carrier protein thioesterase, chloroplastic (FATB1)
Product Gene Name	FATB1 recombinant protein
Product Synonym Gene Name	FATB1
Sequence	PDWSMLFAVI TTIFSAAEKQ WTNLEWKPKP KLPQLLDDHF GLHGLVFRRT FAIRSYEVGP DRSTSILAVM NHMQEATLNH AKSVGILGDG FGTTLEMSKR DLMWVVRRTH VAVERYPTWG DTVEVECWIG ASGNNGMRRD FLVRDCKTGE ILTRCTSLSV LMNTRTRRLS TIPDEVRGEI GPAFIDNVAV KDDEIKKLQK LNDSTADYIQ GGLTPRWNDL DVNQHVNNLK YVAWVFETVP DSIFESHHIS SFTLEYRREC TRDSVLRSLT TVSGGSSEAG LVCDHLLQLE GGSEVLRART EWRPKLTDSF RGISVIPAEP 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	42,915 Da
Sequence Positions	61-382, 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 Q41635
Species	Umbellularia californica (California bay laurel) (Tetranthera californica)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FATB1 recombinant protein	MBS1386686 is a recombinant protein targeting FATB1. Also known as Recombinant Umbellularia californica Lauroyl-acyl carrier protein thioesterase, chloroplastic (FATB1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of FATB1 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 FATB1. It may not necessarily be applicable to this product.

NCBI GI #	8469218
NCBI Accession #	Q41635.1
UniProt Primary Accession #	Q41635

NCBI Official Full Name	Dodecanoyl-[acyl-carrier-protein] hydrolase, chloroplastic
UniProt Protein Name	Dodecanoyl-[acyl-carrier-protein] hydrolase, chloroplastic
UniProt Synonym Protein Names	12:0-acyl-carrier protein thioesterase; 12:0-ACP thioesterase; Acyl-[acyl-carrier-protein] hydrolase; BTE; Lauroyl-acyl carrier protein thioesterase; UcFatB1
Protein Family	Dodecanoyl-[acyl-carrier-protein] hydrolase
UniProt Gene Name	FATB1
UniProt Synonym Gene Names	12:0-ACP thioesterase
UniProt Comments for FATB1	Plays an essential role in chain termination during de novo fatty acid synthesis. High thioesterase activity for lauroyl-ACP versus other acyl-ACPs.
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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