Acyl-[Acyl-Carrier-Protein] Desaturase, Chloroplastic (STEAROYL-ACP desaturase) Olea Europaea Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acyl-[acyl-carrier-protein] desaturase, chloroplastic (Stearoyl-ACP desaturase), Recombinant Protein
Full Product Name	Recombinant Olea europaea Acyl-[acyl-carrier-protein] desaturase, chloroplastic
Product Gene Name	Stearoyl-ACP desaturase recombinant protein
Sequence	ASTIHSPSME VGKVKKPFTP PREVHVQVTH SLAPEKREIF NSLNNWAQEN ILVLLKDVDK CWQPSDFLPD SASEGFDEQV MELRKRCKEI PDDYFIVLVG DMITEEALPT YQTMLNTLDG VRDETGASLT PWAIWTRAWT AEENRHGDLL NKYLYLSGRV DMKQIEKTIQ YLIGSGMDPR TENNPYLGFI YTSFQERATF ISHGNTARLA KEHGDLKLAQ ICGIIAADEK RHETAYTKIV EKLFEIDPDG TVLALADMMR KKVSMPAHLM YDGQDDNLFE NFSSVAQRLG VYTAKDYADI LEFLVGRWDI EKLTGLSGEG RKAQDYVCTL PPRIRRLEER AQSRVKKASA TPFSWIFGRE INL
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	44,596 Da
Sequence Positions	28-390, 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 Q43593
Species	Olea europaea (Common olive)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Stearoyl-ACP desaturase recombinant protein	MBS1283879 is a recombinant protein targeting Stearoyl-ACP desaturase. Also known as Recombinant Olea europaea Acyl-[acyl-carrier-protein] desaturase, chloroplastic. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Stearoyl-ACP desaturase 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 Stearoyl-ACP desaturase. It may not necessarily be applicable to this product.

NCBI GI #	3915033
NCBI Accession #	Q43593.1
UniProt Primary Accession #	Q43593

NCBI Official Full Name	Stearoyl-[acyl-carrier-protein] 9-desaturase, chloroplastic
UniProt Protein Name	Stearoyl-[acyl-carrier-protein] 9-desaturase, chloroplastic
UniProt Synonym Protein Names	Acyl-[acyl-carrier-protein] desaturase
Protein Family	Acyl-[acyl-carrier-protein] desaturase
UniProt Gene Name	Stearoyl-ACP desaturase
UniProt Synonym Gene Names	Stearoyl-ACP desaturase
UniProt Comments for Stearoyl-ACP desaturase	Converts stearoyl-ACP to oleoyl-ACP by introduction of a cis double bond between carbons 9 and 10 of the acyl chain.
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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