Long Chain Acyl-Coa Synthetase 5 (LACS5) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Long chain acyl-CoA synthetase 5 (LACS5), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Long chain acyl-CoA synthetase 5 (LACS5) , partial
Product Gene Name	LACS5 recombinant protein
Product Synonym Gene Name	LACS5
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	74,064 Da
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 Q9T009
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for LACS5 recombinant protein	MBS1325984 is a recombinant protein targeting LACS5. Also known as Recombinant Arabidopsis thaliana Long chain acyl-CoA synthetase 5 (LACS5) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of LACS5 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 LACS5. It may not necessarily be applicable to this product.

NCBI GI #	15237023
NCBI GeneID	826704
NCBI Accession #	NP_192841.1
UniProt Primary Accession #	Q9T009
UniProt Secondary Accession #	O81614; Q8LKS7
UniProt Related Accession #	Q9T009
GenBank Nucleotide #	NM_117173.2
NCBI Official Full Name	AMP-dependent synthetase and ligase family protein
NCBI Official Symbol	AT4G11030

NCBI Official Synonym Symbols	T22B4.10; T22B4_10
UniProt Protein Name	Long chain acyl-CoA synthetase 5
Protein Family	Long chain acyl-CoA synthetase
UniProt Gene Name	LACS5
NCBI Protein Information	AMP-dependent synthetase and ligase family protein
UniProt Comments for LACS5	Activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Preferentially uses palmitate, palmitoleate, oleate and linoleate.
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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