Long-Chain-Fatty-Acid--Coa Ligase 3 (ACSL3) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Long-chain-fatty-acid--CoA ligase 3 (ACSL3), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Long-chain-fatty-acid--CoA ligase 3 (ACSL3), partial
Product Gene Name	ACSL3 recombinant protein
Product Synonym Gene Name	ACSL3
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	80,445 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 Q5R668
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ACSL3 recombinant protein	MBS1323569 is a recombinant protein targeting ACSL3. Also known as Recombinant Pongo abelii Long-chain-fatty-acid--CoA ligase 3 (ACSL3), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ACSL3 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 ACSL3. It may not necessarily be applicable to this product.

NCBI GI #	197098664
NCBI GeneID	100174659
NCBI Accession #	NP_001127581.1
UniProt Primary Accession #	Q5R668
UniProt Secondary Accession #	Q5R4L4; Q5R9P0
UniProt Related Accession #	Q5R668
GenBank Nucleotide #	NM_001134109.1
NCBI Official Full Name	long-chain-fatty-acid--CoA ligase 3
NCBI Official Symbol	ACSL3

UniProt Protein Name	Long-chain-fatty-acid--CoA ligase 3
UniProt Synonym Protein Names	Long-chain acyl-CoA synthetase 3; LACS 3
Protein Family	Long-chain-fatty-acid--CoA ligase
UniProt Gene Name	ACSL3
UniProt Synonym Gene Names	LACS 3
NCBI Protein Information	long-chain-fatty-acid--CoA ligase 3
UniProt Comments for ACSL3	Acyl-CoA synthetases (ACSL) activates long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. ACSL3 has mainly an anabolic role in energy metabolism (). Required for the incorporation of fatty acids into phosphatidylcholine, the major phospholipid located on the surface of VLDL (very low density lipoproteins) (). Mediates hepatic lipogenesis (). Preferentially uses myristate, laurate, arachidonate and eicosapentaenoate as substrates ().
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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