

Datasheet for ABIN1473975  
**ACSL1 Protein (AA 46-699) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ACSL1 (Acsl1)
Protein Characteristics:	AA 46-699
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACSL1 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	TRPKA LKPPCDLSMQ SVEVTGTTEG VRRSAVLEDD KLLLYYYDDV RTMYDGFQRG IQVSNLGPCL GSRKPNQPYE WISYKQVAEM AECIGSALIQ KGFKPCSEQF IGIFSQNRPE WVTIEQGCFT YSMVVVPLYD TLGTDAITYI VNKAELSVIF ADKPEKAKLL LEGVENKLTP CLKIIVIMDS YDNDLVERGQ KCGVEIIGLK ALEDLGRVNR TKPKPPEPED LAIICFTSGT TGNPKGAMVT HQNIMNDCSG FIKATESAFI ASPEDVLISF LPLAHMFETV VECVMLCHGA KIGFFQGDIR LLMDDLKVLQ PTIFPVVPR LNRMFDRIFG QANTSVKRWL LDFASKRKEA ELRSGIVRNN SLWDKLIFHK IQSSLGGKVR LMITGAAPVS ATVLTFLRAA LGCQFYEGYG QTECTAGCCL SLPGDWTAGH VGAPMPCNYI KLVDVEDMNY QAAKGEGEVC VKGANVFKGY LKDPARTAEA LDKDGWLHTG DIGKWLPNGT LKIIDRKKHI FKLAQGEYIA PEKIENIYLR SEAVAQVFVH GESLQAFLIA IVVPDVEILP SWAQKRGFQG SFEELCRNKD INKAILEDMV KLGKNAGLKP FEQVKGIAPH PELFSIDNGL LTPTLKAKRP ELRNYFRSQI DELYSTIKI
Specificity:	Rattus norvegicus (Rat)

## Product Details

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Characteristics: Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

## Target Details

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Target: ACSL1 (Acsl1)

Alternative Name: Long-chain-fatty-acid-CoA ligase 1 (Acsl1) ([Acsl1 Products](#))

Background: Recommended name: Long-chain-fatty-acid-CoA ligase 1.  
EC= 6.2.1.3.  
Alternative name(s): Long-chain acyl-CoA synthetase 1.  
Short name= LACS 1 Long-chain-fatty-acid-CoA ligase, liver isozyme

UniProt: [P18163](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

## Application Details

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Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

## Handling

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Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

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Storage: -20 °C

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.