

Recombinant Full Length Rat Long-Chain-Fatty-Acid--CoA Ligase 1(Acsl1) Protein, His-Tagged

Cat. No. RFL-16654RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Long-chain-fatty-acid--CoA ligase 1(Acsl1) Protein (P18163) (1-699aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length (1-699)
Form	Lyophilized powder
AA Sequence	MEVHELFRYFRMPELIDIRQYVRTLPTNTLMGFGAFAALTTFWYATRPKALKPPCDL SMQSVEVTGTTEGVRRSAVLEDDKLLLYYYDDVRTMYDGFQRGIQVSNDBGPCLG RKPNQPYEWISYKQVAEMAECIGSALIQKGFKPCSEQFIGIFSQNRPEWVTIEQGCF TYSMVVVPLYDTLGTDAITYIVNKAELSVIFADKPEKAKLLEGVENKLTPLCKIIVIMD SYDNDLVERGQKCGVEIIGLKALEDLGRVNRTKPKPPEPEDLAICFTSGTTGNPKGA MVTHQNIMNDCSGFIKATESAFIASPEDVLISFLPLAHMFETVVECVMLCHGAKIGFF QGDIRLLMDDLKVLQPTIFPVVPRLLNRMFDRIFGQANTSVKRWLLDFASKRKEAEL RSGIVRNNSLWDKLIFHKIQSSLGGKVRLMITGAAPVSATVLTFLRAALGCQFYEGYG QTECTAGCCLSLPGDWTAGHVGAPMPCNYIKLVDVEDMNYQAAKGEGEVCVKGA NVFKGYLKDPARTAEALDKDGLHTGDIGKWLPNGTLKIIDRKKHIFKLAQGEYIAPE KIENIYLRSEAVAQVFVHGESLQAFLIAIVVPDVEILPSWAQKRGFQGSFEELCRNKDI NKAILEDMMVKLGKNAGLKPFEQVKGIAVHPELFSIDNGLLTPTLKAKRPELRNYFRSQI

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	DELYSTIKI
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	Acs1
Synonyms	Acs1; Acs1; Acs12; Facl2; Long-chain-fatty-acid--CoA ligase 1; Arachidonate--CoA ligase; Long-chain acyl-CoA synthetase 1; LACS 1; Long-chain-fatty-acid--CoA ligase, liver isozyme; Phytanate--CoA ligase
UniProt ID	P18163

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