

Long-chain-fatty-acid--CoA ligase 4 (Acsl4) Recombinant Protein | Acsl4 recombinant protein

Recombinant Mouse Long-chain-fatty-acid--CoA ligase 4 (Acsl4), partial

CATALOG # AAA117019	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Long-chain-fatty-acid--CoA ligase 4 (Acsl4); Recombinant Mouse Long-chain-fatty-acid--CoA ligase 4 (Acsl4); partial; Acsl4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	100-581aa; Partial
Sequence	EILSEENEMQ PNGKVFKKLI LGNYKWINYL EVNCRVNNFG SGLTALGLKP KNTIAIFCET RAEWMIAAQT CFKYNFPLVT LYATLGREAV VHGLNESEAS YLITSVELLE SKLKAALVDI NCVKHIIYVD NKTINRAEYP EGLEIHSMQS VEELGAKPEN LSVPPSRPTP SDMAIVMYTS GSTGRPKGVM MHHSNLIAGM TGQCERIPGL GPKDTYIGYL PLAHVLELTA EISCFTYGCR IGYSSPLTLS DQSSKIKKGS KGDCTVLKPT LMAAVPEIMD RIYKNVMSKV QEMNYYQKTL FKIGYDYKLE QIKKGYDAPL CNLILFKVK ALLGGNVRMM LSGGAPLSPQ THRFMNVCFE CFIGQGYGLT ESCGAGTVTE VTDYTTGRVG APLICCEIKL KDWQEGGYTV HDKPNPRGEI VIGGQNISMG YFKNEEKTAE DYCVDENGQR WFCTGDIGEF HPDGCLQIID RKKDLVKLQA GE
Species	Mouse
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.

ADDITIONAL INFORMATION

Related Product Information for Acsl4 recombinant protein	This protein is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the mental retardation or Alport syndrome. Alternative splicing of this gene generates 2 transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	75992925
NCBI GeneID	50790
NCBI Accession #	NP_001028772.1
NCBI GenBank Nucleotide #	NM_001033600.1
UniProt Accession #	Q9QUJ7; Q5D071; Q9JHT4; Q9R0H3
Molecular Weight	74,339 Da
NCBI Official Full Name	long-chain-fatty-acid--CoA ligase 4 isoform 2
NCBI Official Synonym Full Names	acyl-CoA synthetase long-chain family member 4

NCBI Official Symbol	AcsI4
NCBI Official Synonym Symbols	ACS4; FacI4; Lacs4; AU018108; 9430020A05Rik
NCBI Protein Information	long-chain-fatty-acid--CoA ligase 4
UniProt Protein Name	Long-chain-fatty-acid--CoA ligase 4
UniProt Gene Name	AcsI4
UniProt Synonym Gene Names	Acs4; FacI4; LACS 4; mACS4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/acsl4-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117019>