

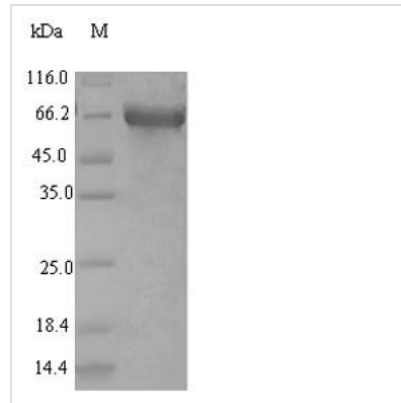


# Recombinant Human Long-chain-fatty-acid--CoA ligase 5 (ACSL5), partial

<b>Product Code</b>	CSB-EP891734HU
<b>Relevance</b>	Acyl-CoA synthetases (ACSL) activate long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. ACSL5 may activate fatty acids from exogenous sources for the synthesis of triacylglycerol destined for intracellular storage (By similarity). Utilizes a wide range of saturated fatty acids with a preference for C16-C18 unsaturated fatty acids (By similarity). It was suggested that it may also stimulate fatty acid oxidation (By similarity). At the villus tip of the crypt-villus axis of the small intestine may sensitize epithelial cells to apoptosis specifically triggered by the death ligand TRAIL. May have a role in the survival of glioma cells
<b>Abbreviation</b>	Recombinant Human ACSL5 protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9ULC5
<b>Alias</b>	Long-chain acyl-CoA synthetase 5 Short name: LACS 5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	TRPQPVLPLLDLNNQSVGIEGGARKGVSQKNNDLTSCCFSDAKTMYEVFQRG LAVSDNGPCLGYRKPYPYRWLSYKQVSDRAEYLGSCLLHKGYKSSPDQFV GIFAQNRPEWIISELACYTYSMVAVPLYDTLGPEAIVHIVNKADIAMVICDTPQK ALVLIGNVEKGFTPSLKVIILMDPFDDDLKQRGEKSGIEILSLYDAENLGKEHFR KPVPPSPEDLSVICFTSGTTGDPKGAMITHQNIIVSNAAAFKCV E HAYEPTPDD VAISYLPLAHMFERIVQAVVYSCGARVGVFFQGDIRLLADDMKTLKPTLFPVPR LLNRIYDKVQNEAKTPLKKFLLKLA VSSKFELQKGIIRHDSFWDKLI FAKIQDSL GGRVRVIVTGAAPMSTSVMTFFRAAMGCQVYEAYGQTECTGGCTFTLPGDW TSGHVG VPLACNYVKLEDVADMNYFTVNNEGEVCIKGTNVFKGYLKDPEKTQ EALDSDGWLHTGDIGRWLPNGTLKIIDRKNIFKLAQGEYIAPEKIENIYNRSQP VLQIFVHGESLRSSLVGVVVPD TDVLP SFAAKLGVKGSFEELCQNQV VREAILE DLQKIGKESGLKTFEQVKAIFLHPEPFSIENGLLTPTLKAKRGELSKYFRTQIDSL YEHIQD
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	ACSL5
<b>Expression Region</b>	33-683aa



<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	76.4kDa
<b>Protein Length</b>	Cytoplasmic Domain

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

<b>Reconstitution</b>	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.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.