

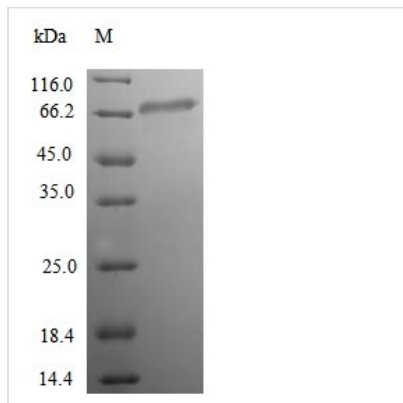


Recombinant Human Acetyl-coenzyme A synthetase 2-like, mitochondrial (ACSS1)

Product Code	CSB-EP882105HU
Relevance	Important for maintaining normal body temperature during fasting and for energy homeostasis. Essential for energy expenditure under ketogenic conditions. Converts acetate to acetyl-CoA so that it can be used for oxidation through the tricarboxylic cycle to produce ATP and CO ₂ .
Abbreviation	Recombinant Human ACSS1 protein
Storage	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.
Uniprot No.	Q9NUB1
Alias	Acetate--CoA ligase 2 Acetyl-CoA synthetase 2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	ASGPSGSAPAVAAAAAQPGSYPALSAQAAREPAAFWGPLARDTLVWDTPTYH TVWDCDFSTGKIGWFLGGQLNVSVNCLDQHVRKSPESVALIWERDEPGTEVR ITYRELLETTCRLANTLKRHGVHRGDRVAIYMPVSPLAVAAMLACARIGAVHTVI FAGFSAESLAGRINDAKCKVVITFNQQLRGGRVVELKKIVDEAVKHCPTVQHVL VAHRTDNKVHMGDLDPLEQEMAKEDPVCAPESMGSEDMLFMLYTSGSTGM PKGIVHTQAGYLLYAALTHKLVFDHQPGDIFGCVADIGWITGHSYVVYGPLCNG ATSVLFESTPVYPNAGRYWETVERLKINQFYGAPTAVRLLLKYGDAAWVKKYDR SSLRTLGSVGEPINCEAWEWLHRVVGDSRCTLVDTWWQTETGGICIAPRPSE EGAEILPAMAMRPFPGIVPVLMDKGSVVEGSNVSGALCISQAWPGMARTIYG DHQRFVDAYFKAYPGYYFTGDGAYRTEGGYYQITGRMDDVINISGHRLGTAEI EDAIADHPAVPESAVIGYPHDIKGEAAFAFIVVKDSAGDSVVVQELKSMVATKI AKYAVPDEILVVKRLPKTRSGKVMRLLRKIITSEAQELGDTTTLLEDPSIIAEILSV YQKCKDKQAAAK
Research Area	others
Source	E.coli
Target Names	ACSS1
Protein Names	Recommended name: Acetyl-coenzyme A synthetase 2-like, mitochondrial EC= 6.2.1.1 Alternative name(s): Acetate--CoA ligase 2 Acetyl-CoA synthetase 2 Short name= AceCS2 Acyl-CoA synthetase short-chain family member 1
Expression Region	38-689aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



Tag Info	N-terminal 6xHis-tagged
Mol. Weight	75.1kDa
Protein Length	Full Length of Mature Protein

Image

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

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.

Shelf Life

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.