



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

Product Code	CSB-EP882105HU-B
Abbreviation	ACSS1
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
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	ASG PSGSAPAVAA AAAQPGSYP A LSAQAAREPA AFWGPLARDT LVWDTPTYHTV WDCDFSTGKI GWFLGGQLNV SVNCLDQHVR KSPESVALIW ERDEPGTEVR ITYRELLETT CRLANTLKRH GVHRGDRVAI YMPVSPLAVA AMLACARIGA VHTVIFAGFS AESLAGRIND AKCKVVITFN QGLRGGRVVE LKKIVDEAVK HCPTVQHVLV AHRTDNKVHM GDLDPLEQE MAKEDPVCAP ESMGSEDMLF MLYTSGSTGM PKGIVHTQAG YLLYAALTHK LVFDHQPGDI FGCVADIGWI TGHSYVVYGP LCN GATS VLF ESTPVYPNAG RYWETVERLK INQFYGAPTA VRLLLKYGDA WVKKYDRSSL RTLGSVGEPI NCEAWEWLHR VVGDSRCTLV DTWWQTETGG ICIAPRPSEE GAEILPAMAM RPFPGIVPVL MDEKGSVVEG SNVSGALCIS QAWPGMARTI YGDHQRFDVA YFKAYPGYYF TGDGAYRTEG GYYQITGRMD DVINISGHRL GTAEIEDAIA DHPAVPESAV IGYPHDIKGE AAFAFIVVKD SAGSDSVVVQ ELKSMVATKI AKYAVPDEIL VVKRLPKTRS GKVMRLLRK IITSEAQELG DTTTLEDPSI IAEILSVYQK CKDKQAAAK
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	38-689
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	An acetyl-CoA synthetase found in the mitochondrial matrix has been characterized in both cow and mouse. It is primarily a cardiac enzyme which produces acetyl-CoA mainly for the oxidation of acetate. This protein is



structurally similar to the cow and mouse proteins and therefore may serve a similar function in humans.

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.