

## Recombinant Human ACSS1 protein, His-tagged

**Cat. No.** ACSS1-9327H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ACSS1 protein (38-689aa, full length of mature protein) was fused to His-tag at N-terminus and expressed in E.coli.                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 652                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene encodes a mitochondrial acetyl-CoA synthetase enzyme. A similar protein in mice plays an important role in the tricarboxylic acid cycle by catalyzing the conversion of acetate to acetyl CoA. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. |
| <b>Form</b>             | Liquid or Lyophilized powder. If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol; If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                |
| <b>Molecular Mass</b>   | 75.1 kDa                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | ASGPSGSAPAVAAAAAQPGSYPALSAQAAREPAAFWGPLARDTLVWDTPYHTVWD<br>CDFSTGKIGWFLGGQLNVSVNCLDQHVRKSPESVALIWERDEPGTEVRITYRELLET<br>TCRLANTLKRHGVHRGDRVAIYMPVSPLAVAAMLACARIGAVHTVIFAGFSAESLAG<br>RINDAKCKVVITFNQGLRGGRVVELKKIVDEAVKHCPTVQHVLVAHRTDNKVHMGDL<br>DVPLEQEMAKEDPVCAPESMGSEDMLFMLYTSGSTGMPKGIVHTQAGYLLYAALTH      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KLVFDHQP GDIFGCVADIGWITGHSYVVYGPLCNGATSVLFESTPVYPNAGRYWET  
 VERLKINQFYGAPTAVRLLLKYGDAWVKKYDRSSLRTLGSVGEPINCEAWEWLHRV  
 VGDSRCTLVDTWWQTETGGICIAPRPSEEGAEILPAMAMRPFFGIVPVLMDKEGGSV  
 VEGSNVSGALCISQAWPGMARTIYGDHQRFDAYFKAYPGYYFTGDGAYRTEGGY  
 YQITGRMDDVINISGHR LGTAEIEDAIADHPAVPESAVIGYPHDIKGEAAFAFIVVKDS  
 AGDSDVVVQELKSMVATKIAKYAVPDEILVVKRLPKTRSGKVMRLLLRKIITSEAQEL  
 GDTTLEDPSIIAEILSVYQKCKDKQAAAK

**Purity**

Greater than 90% as determined by SDS-PAGE.

**Stability**

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/-80 centigrade. The shelf life of lyophilized form is 12 months at -20/-80 centigrade.

**Storage**

Store at -20 centigrade upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**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/-80 centigrade. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name**

ACSS1

**Official Symbol**

ACSS1

**Synonyms**

ACAS2L; ACECS1; AceCS2L; Acetate--CoA ligase 2 Acetyl-CoA synthetase 2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                |                |
|----------------|----------------|
| Gene ID        | 84532          |
| mRNA Refseq    | NM_001252675.1 |
| Protein Refseq | NP_001239604.1 |
| MIM            | 614355         |
| UniProt ID     | Q9NUB1         |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA