

Recombinant Full Length Human ACSS1 Protein, C-Flag-tagged

Cat. No. ACSS1-1737HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ACSS1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	71.1 kDa
AA Sequence	MAARTLGRGVGRLLGSLRGLSGQPARPPCGVSAPRRAASGPSGSAPAVAAAAAQP GSPALSAQAAREPA AFWGPLARDTLVWDTPTYHTVWDCDFSTGKIGWFLGGQLN VSVNCLDQHVRKSPESVALIWERDEPGTEVR ITYRELLETTCLANTLKRHGVHRG DRVAIYMPVSPLAVALACARIGAVHTVIFAGFSAESLAGRIND AKCKVVITFNQGL RGGRVVELKKIVDEAVKHCPTVQHVLVAHRTDNKVHMGDLDPLEQEMAKEDPVC AP ESMGSEDMLFMLYTSGSTGMPKGIVHTQAGYLLYAALTHKLVPFDHQP GDIFGCV ADIGWITGHSYVVYGP LCNGATSVLFESTPVYPNAGRYWETVERLKINQFYGAPTA VRLLLKYGDAWVKKYDRSSLRTLGSVGEPI NCEAWEWLHRVVGDSRCTLVDTWW

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QTETGGICIAPRPSEEGAEILPAMAMRPFFGIVPVLMDKGSVMGEG SNVSGALCISQ
 AWPGMARTIYGDHQRFDAYFKAYPGYYFTGDGAYRTEGGYYQITGRMDDVINISG
 HRL GTAEIEDAIADHPAVPESAVIGYPHDIKGEAAFAFIVVKDSAGDSVQELKSM
 VATKIAKYAVPDEIL
 VVKRLPKTRSGKVMRLLRKIITSEAQELGDTTTLTLEDPSIIAEILSVYQKCKDKQAAAK
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Glycolysis / Gluconeogenesis, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism
Full Length	Full L.

GENE INFORMATION

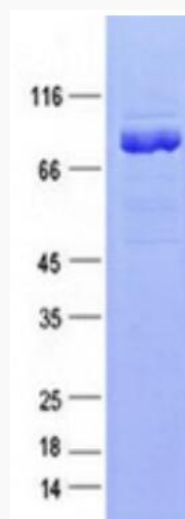
Gene Name	ACSS1 acyl-CoA synthetase short chain family member 1 [Homo sapiens (human)]
Official Symbol	ACSS1
Synonyms	ACAS2L; ACECS1; AceCS2L

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Gene ID	84532
mRNA Refseq	NM_032501.4
Protein Refseq	NP_115890.2
MIM	614355
UniProt ID	Q9NUB1



Coomassie blue staining of purified ACSS1 protein.