

Recombinant Human ACSS3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACSS3-2060H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACSS3 MS Standard C13 and N15-labeled recombinant protein (NP_078836) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Catalyzes the synthesis of acetyl-CoA from short-chain fatty acids. Propionate is the preferred substrate. Can utilize acetate and butyrate with a much lower affinity.
Molecular Mass	74.8 kDa
AA Sequence	MKPSWLQCRKVTSAGGLGGPLPGSSPARGAGAALRALVVPGRGGLGGRGCRAL SSGSGSEYKTHFAASVTDPERFWGKAAEQISWYKPWTKTLENKHSPSTRWFVEGM LNICYNAVDRHIENGKGDKIAIYDSPVTNTKATFTYKEVLEQVSKLAGVLVKHGIKKG DTVVIYMPMIPQAMYTMLACARIGAIHSLIFGGFASKELSSRIDHVKPKVVVTASFGIE PGRRVEYVPLVEEALKIGQHKKPKILYINRPNMEAVPLAPGRDLWDDEEMAKAQSH DCVPVLSEHPLYILYTS GTTGLPKGVIRPTGGYAVMLHWSMSSIYGLQPGEVWWAA SDLGWVVGHSYICYGPLLHGNTTVLYEGKPVGTPDAGAYFRVLAEHGVAALFTAPT AIRAIRQQDPGAALGKQYSLTRFKTLFVAGERCDVETLEWSKNVFRVPVLDHWWQT ETGSPITASCVGLGNSKTPPPGQAGKSVPGYNMILDDNMQKLKARCLGNIVVKLPL PPGAFSGLWKNQEAFKHL YFEKFPGYDYTMDAGYMDEEGLYVMSRVDDVINVAG HRISAGAIEESILSHGTVADCAVVGKEDPLKGHVPLALCVLRKDINATEEQVLEEIVKH

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

	VRQNIGPVAAFRNAVFKQLPKTRSGKIPRSALSAIVNGKPYKITSTIEDPSIFGHVEE MLKQATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ACSS3 acyl-CoA synthetase short-chain family member 3 [Homo sapiens (human)]
Official Symbol	ACSS3
Synonyms	ACSS3; acyl-CoA synthetase short-chain family member 3; acyl-CoA synthetase short-chain family member 3, mitochondrial; FLJ21963; AMP-binding enzyme, 33217;
Gene ID	79611
mRNA Refseq	NM_024560
Protein Refseq	NP_078836
MIM	614356

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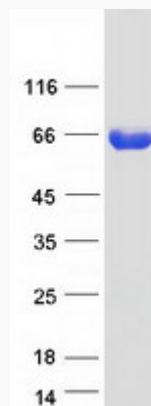
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UniProt ID

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SDS-PAGE

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