

Recombinant Human ACSF2 protein, His-tagged

Cat. No. ACSF2-47H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ACSF2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	ACSF2 also known as Acyl-CoA synthetase family member 2. Acyl-CoA synthetases are a family of enzymes that catalyze the thioesterification of fatty acids with coenzymeA to form activated intermediates, which play a fundamental role in lipid metabolism and homeostasis of lipid-related processes. ACSF2 are required for complex lipid synthesis, energy production via beta-oxidation, protein acylation and fatty-acid dependent transcriptional regulation. ACSF2 are also necessary for fatty acid import into cells by the process of vectorial acylation.
Form	Liquid. In Phosphate Buffered Saline pH 7.4 containing 10% glycerol
Molecular Mass	66.1kDa (597aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSLSREVD RMVSTPIGGL SYVQGCTKKH LNSKTVGQCL ETTAQRVPER EALVVLHEDV RLTFACLKEE VDKAASGLLSIGLCKGDRLG MWGPNSYAWV LMLATAQAG IILVSVNPAY QAMELEYVLK KVGCKALVFP KQFKTQYYN VLKQICPEVE NAQPGALKSQ RLPDLTTVISVDAPLPGTLL LDEVVAAGST RQHLDQLQYN QQFLSCHDPI NIQFTSGTTG SPKGATLSHY NIVNNSNILG ERLKLHEKTP EQLRMILPNP

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LYHCLGSVAGTMMCLMYGAT LILASPIFNG KKALEAISRE RGTFLYGTPT
 MFVDILNQPD FSSYDISTMC GGVIAGSPAP PELIRAIINK INMKDLVVAY
 GTTENSPTFAHFPEDTVEQ KAESVGRIMP HTEARIMNME AGTLAKLNTP
 GELCIRGYCV MLGYWGEPQK TEEAVDQDKW YWTGDVATMN EQGFCKIVGR
 SKDMIIRGGENIYPAELEDF FHHPKVQEV QVVGKDDRM GEEICACIRL
 KDGEETTVEE IKAFCCKGKIS HFKIPKYIVF VTNYPLTISG KIQKFKLREQ MERHLNL

Purity >95% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name [ACSF2 acyl-CoA synthetase family member 2 \[Homo sapiens \]](#)

Official Symbol [ACSF2](#)

Synonyms ACSF2; acyl-CoA synthetase family member 2; acyl-CoA synthetase family member 2, mitochondrial; ACSMW; FLJ20920; PPARG binding, long chain fatty acid acyl Co-A ligase like; AVYV493;

Gene ID [80221](#)

mRNA Refseq [NM_025149](#)

Protein Refseq [NP_079425](#)

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MIM	610465
UniProt ID	Q96CM8
Chromosome Location	17q21.33
Function	ATP binding; ligase activity; nucleotide binding;

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