

Product information

ACSF2, 42-615aa

Human, His-tagged, Recombinant, *E.coli*

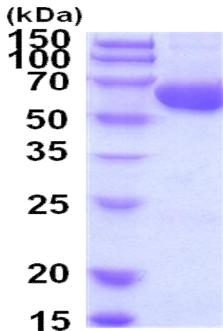
Cat. No. IBATGP3164

Full name: Acyl-CoA synthetase family member 2 isoform 2

NCBI Accession No.: NP_079425

Synonyms: ACSMW, AVYV493

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 coenzyme A 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, Recombinant human ACSF2, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In Phosphate Buffered Saline pH 7.4 containing 10% glycerol</p> <p>Molecular Weight: 66.1kDa (597aa)</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 0.5mg/ml (determined by Absorbance at 280nm)</p>	 <p>15% SDS-PAGE (3ug)</p>
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Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSLSREVD RMVSTPIGGL SYVQGCTKKH LNSKTVGQCL ETTAQRVPER EALVVLHEDV RLTFACLKEE VDKAASGLLS
 IGLCKGDRLG MWGPNSYAWV LMQLATAQAG ILLVSNPAY QAMELEYVLK KVGCKALVFP KQFKTQQYYN VLKQICPEVE NAQPGALKSQ RLPDLTTVIS
 VDAPLPGTLL LDEVAAGST RQHLDQLQYN QQFLSCHDPI NIQFTSGTTG SPKGATLSHY NIVNNSNILG ERLKLEKTP EQLRMILPNP LYHCLGSVAG
 TMMCLMYGAT LILASPIFNG KKALEAISRE RGTFLYGTPT MFVDILNQPD FSSYDISTMC GGVLAGSPAP PELIRAIINK INMKDLVVAY GTTENSPTVF
 AHFPEDTVEQ KAESVGRIMP HTEARIMNME AGTLAKLNTG GELCIRGYCV MLGYWGEPQK TEEAVDQDKW YWTGDVATMN EQGFCKIVGR SKDMIIRGGE
 NIYPAELEDF FHHPKVQEV QVVGVKDDRM GEEICACIRL KDGEETTVEE IKAFCKGKIS HFKIPKYIVF VTNYPLTISG KIQKFKLREQ MERHLNL

General references:

Black PN., *et al.* (2007) *Biochim Biophys Acta*. 1771(9):1246-53.

Watkins P.A., *et al.* (2007) *J Lipid Res*. 48(12):2736-50.

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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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