

Human Acyl-CoA Synthetase Family Member 2, Mitochondrial (ACSF2) ELISA Kit | ACSF2 elisa kit

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CATALOG # AAA331077	REACTIVITY Human
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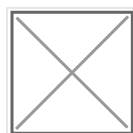
PRODUCT SYNONYMS

Acyl-CoA Synthetase Family Member 2; Mitochondrial (ACSF2); Human Acyl-CoA Synthetase Family Member 2; Mitochondrial (ACSF2) ELISA Kit; ACSF2; ACSMW; AVYV493; FLJ20920; PPARG binding; long chain fatty acid acyl Co-A ligase like; ACSF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Acyl-CoA synthetase family member 2, mitochondrial (ACSF2) ELISA Kit has high sensitivity and excellent specificity for detection of Human ACSF2. No significant cross-reactivity or interference between Human ACSF2 and analogues was observed.
Sequence Length	640
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Acyl-CoA synthetase family member 2, mitochondrial (ACSF2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ACSF2 elisa kit	Description: This Human Acyl-CoA synthetase family member 2, mitochondrial (ACSF2) ELISA Kit employs a two-site sandwich ELISA to quantitate ACSF2 in samples. An antibody specific for ACSF2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACSF2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACSF2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ACSF2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Fatty acids are incorporated into membranes and signaling molecules and have roles in energy storage and metabolism. These essential functions require activation of the fatty acid by acyl-coenzyme A (CoA) synthetases, such as ACSF2, which form an activating thioester linkage between the fatty acid and CoA. The deduced 615-amino acid protein contains all 5 motifs characteristic of acyl-CoA synthetases. Phylogenetic analysis revealed that ACSF2 belongs to a small group of acyl-CoA synthetases that differ significantly from all other clades of acyl-CoA synthetases and from each other. FLJ20920 contains a PPARG-recognition element in its promoter sequence. Transfection of antisense FLJ20920 into preadipocytes resulted in decreased triglyceride accumulation and reduced expression of GLUT4 (SLC2A4) and HSL (LIPE) mRNA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	572872742
NCBI GeneID	80221
NCBI Accession #	NP_001275897.1
NCBI GenBank Nucleotide #	NP_001275897.1
UniProt Accession #	Q96CM8
NCBI Official Full Name	acyl-CoA synthetase family member 2, mitochondrial isoform 1
NCBI Official Synonym Full Names	acyl-CoA synthetase family member 2
NCBI Official Symbol	ACSF2
NCBI Official Synonym Symbols	ACSMW; AVYV493
NCBI Protein Information	acyl-CoA synthetase family member 2, mitochondrial
UniProt Protein Name	Acyl-CoA synthetase family member 2, mitochondrial
UniProt Gene Name	ACSF2
UniProt Entry Name	ACSF2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/acyl-coa-synthetase-family-member-2-mitochondrial-acsf2/331077>