

Human Acyl-coenzyme A Synthetase ACSM3, Mitochondrial (ACSM3) ELISA Kit | ACSM3 elisa kit

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CATALOG # AAA331079	REACTIVITY Human
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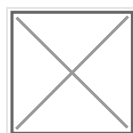
PRODUCT SYNONYMS

Acyl-coenzyme A Synthetase ACSM3; Mitochondrial (ACSM3); Human Acyl-coenzyme A Synthetase ACSM3; Mitochondrial (ACSM3) ELISA Kit; ACSM3; SA; SAH; SA (rat hypertension-associated) homolog; SA hypertension-associated homolog; ACSM3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Acyl-coenzyme A synthetase ACSM3, mitochondrial (ACSM3) ELISA Kit has high sensitivity and excellent specificity for detection of Human ACSM3. No significant cross-reactivity or interference between Human ACSM3 and analogues was observed.
Sequence Length	578
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-coenzyme A synthetase ACSM3, mitochondrial (ACSM3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ACSM3 elisa kit	Description: This Human Acyl-coenzyme A synthetase ACSM3, mitochondrial (ACSM3) ELISA Kit employs a two-site sandwich ELISA to quantitate ACSM3 in samples. An antibody specific for ACSM3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACSM3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACSM3 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 ACSM3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: By Southern analysis of somatic cell hybrids, Szpirer et al. (1993) independently assigned the Sa gene to rat chromosome 1 and showed that the human homolog, SAH, resides on chromosome 16. the deduced amino acid sequence from the isolated human SAH cDNA consisted of 578 amino acid residues and had slight homology to a bacterial enzyme, acetyl-CoA synthase. With the restriction enzyme PstI, they found a RFLP in the SAH gene and compared allele frequencies between hypertensive and control groups. The hypertensive group consisted of 89 persons, and the PstI rare allele (allele A2) frequency in this group was 0.270. The control group consisted of 81 healthy normotensive persons, among whom the A2 allele frequency was 0.09. The differences were significant at the P = 0.0001 level.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	666014
NCBI GeneID	6296
UniProt Accession #	Q53FZ2
NCBI Official Full Name	SA
NCBI Official Synonym Full Names	acyl-CoA synthetase medium chain family member 3
NCBI Official Symbol	ACSM3
NCBI Official Synonym Symbols	SA; SAH
NCBI Protein Information	acyl-coenzyme A synthetase ACSM3, mitochondrial
UniProt Protein Name	Acyl-coenzyme A synthetase ACSM3, mitochondrial
UniProt Gene Name	ACSM3
UniProt Synonym Gene Names	SAH
UniProt Entry Name	ACSM3_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-coenzyme-a-synthetase-acsm3-mitochondrial-acsm3/331079>